

Landini S.p.A. di Landini Cav. Mirco Sede: Via Eugenio Curiel, 27/A – 42024 CASTELNOVO SOTTO (Reggio Emilia) – Italy Tel +39-0522.68.88.11 Fax Uff.Ordini +39-0522.68.88.72 Fax +39-0522.68.88.70 Sito Web: www.landinispa.com E-Mail: commerciale@landinispa.com Uff.Estero: export@landinispa.com

Obligations with the new

CPR 305/2011

The Regulations for Construction Products

The DoP - declarations of Performance - products Landini SpA

ROOFING

1. Contents

1.			
2.		ion	
3.		for covering	
3		er cement sheets ONDABAND	
	3.1.1.	Covering EUROPA P177-ONDABAND	
	3.1.2.	Covering EUROPA P146-ONDABAND	
	3.1.3.	Covering EUROPA ALLA ROMANA	
	3.1.4.	Covering P9-ONDABAND	
	3.1.5.	Covering P6	
	3.1.6.	Underlay EUROPA P200,5-ONDABAND	
	3.1.7.	Underlay EUROPA P234,8-ONDABAND	
	3.1.8.	Covering EUROSIX-LAN	
3		al Roofing LAGRECA	
	3.2.1.	Profile H21 made of Galvanized natural steel	
	3.2.2.	Profile H21 made of Galvanized natural steel	
	3.2.3.	Profile H21 made of Natural aluminium	
	3.2.4.	Profile H21 made of Prepainted aluminium	
	3.2.5.	Profile H21 made of Natural aluzinc	
	3.2.6.	Profile H21 made of INOX 204 2B	
	3.2.7.	Profile H28 made of Galvanized natural steel	
	3.2.8.	Profile H28 made of Galvanized natural steel	
	3.2.9.	Profile H28 made of Natural aluminium	
	3.2.10.	Profile H28 made of Prepainted aluminium	
	3.2.11.	Profile H28 made of Natural aluzinc	
	3.2.12.	Profile H28 made of INOX 204 2B	
	3.2.13.	Profile H40 made of Galvanized natural steel	
	3.2.14.	Profile H40 made of Galvanized natural steel	
	3.2.15.	Profile H40 made of Natural aluminium.	
	3.2.16.	Profile H40 made of Prepainted aluminium	
	3.2.17.	Profile H40 made of Natural aluzinc	
	3.2.18.	Profile H40 made of INOX 204 2B	
	3.2.19.	Profile H40N made of Galvanized natural steel	
	3.2.20.	Profile H40N made of in Galvanized natural steel	
	3.2.21.	Profile H40N made of Natural aluminium.	
	3.2.22.	Profile H40N made of Prepainted aluminium.	
	3.2.23.	Profile H40N made of Natural aluzinc	
	3.2.24.	Profile H40N made of INOX 204 2B	.68

2. Introduction

Dear Customer,

E ' was published in the Official Journal of the European Union L88/12 of 4 April 2011, the EU Regulation . 305/2011 laying down the conditions for the marketing of construction products and repealing the Construction Products Directive 89/106.

This Regulation lays down the conditions for the placing on the market of construction products . It also defines criteria for assessing the performance of these products and the conditions of use of the CE marking .

The Construction Products Regulation (CPR 305/2011) is fully operational as from1 July 2013.

Following are the main novelty of the Regulation relating to the obligations of Manufacturers

The manufacturers shall draw up the DoP. For each CE marked product the manufacturer must issue a DoP that replaces the current "Declaration of Conformity " and that , among other information , reports the performance of the product declared on the basis of the relevant harmonized technical specification (harmonized European standard)
The main purpose of the DoP is to enable customers and consumers to compare different products placed on the market, on the basis of common elements , identifies able and measurable , allowing you to identify the most suitable product for intended use .

L 'Art 7.1 states verbatim " And ' provided a copy of the DoP of each product made available on the market, in paper form or by electronic means ." However, the Commission , by means of delegated acts , regulate the procedure for making available the DoP also on web site And ' address prevalent to consider it necessary to send the first delivery of the DoP and whenever the product or rule are amended . - The manufacturer must affix the CE marking in the manner provided in Art. 9 . The marking must include the reference number of the DoP .

- The manufacturer shall keep the technical documentation and the DoP for a period of 10 years

- The manufacturers ensure that procedures are in place to ensure that series production maintains the declared performance

The products manufactured in accordance with the existing harmonized standards and placed on the market before July 1, 2013, shall be deemed to comply with the new Regulation.

Landini S.p.a. distributes to customers this collection of DoP of its products in electronic format (in PDF format) .

3. Products for covering

- 3.1 Fiber cement sheets ONDABAND
- 3. 2 Metal Roofing LAGRECA

3.1. Fiber cement sheets ONDABAND

3.1.1. Covering EUROPA P177-ONDABAND



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati



Sada; Via Eugenio Curisi, 27/A – 42024 CASTELNOVO SOTTO (Reggio Emilia) – Italy C.C.I.A.A. di Rien, 173045 – Reg. Soc. Trib. di Rien, 16414 Cod. Rec. e Part, V A 01274540956

COVERING EUROPA P177-ONDABAND

DECLARATION OF PERFORMANCE (DoP)

Nº 01-F-EN

1. Unique identification code of the product-type:

01 - F - P177-O - Fiber cement profiled sheets UNI EN 494 : 2012

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): COVERING EUROPA P177-ONDABAND

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

Corrugated fiber cement eco-friendly polypropylene reinforced with straps and accessories, with a pitch waveform 177 mm, height of 51 mm and a thickness of 6.5 mm, available in 5 waves (width 920 mm) or 6 waves (width mm 1097), in gray natural Stratocolor, Nuance, painted, suitable for covering civil and industrial buildings and wall cladding interior, exterior and ceilings.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. - , via Eugenio Curiel 27/A - Castelnovo di Sotto (RE) Phone. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

 System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: Il sistema di valutazione e verifica, è un sistema 3.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

(name and identification number of the notified body, if relevant) performed ______under system (description of the third party tasks as set out in Annex V) and issued ...(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

SGS INTRON Zertifikat: CTG-380 (Gültigkeit liegt vor) Address: Venusstraat 2 Postbus 267 4100 AG CULEMBORG - OLANDA

CSTB Centre Scientifique et Tecnique du Batiment Zertifikat: 077-H1 (Gültigkeit liegt vor) Address: Avenue Jean Jaures 84 Champs Sur Marne 77447 MARNE-LA-VALLEE CEDEX 2 - FRANCIA

MPA STUTTGART Otto-Graf-Institut Zertifikat: Z-31.1-157 (Gültigkeit liegt vor) Address: Pfaffenwaldring 32 D-70569 STUTTGART (VAIHINGEN) – GERMANIA





Sada: Via Eugenio Curisi, 27/A – 42024 CASTELNOVO SOTTO (Raggio Emilia) – Italy C.C.I.A.A. dl REn. 173045 – Rag. Soc. Trib. dl REn. 16414 Cod. Fac. e Parl. N.A.01274540356

COVERING EUROPA P177-ONDABAND

Essential characteristics	Performance	Harmonised technical specification
Mechanical resistance: Tensile strength Bending moment	Classe I Classe X	Punto 5.3.3 – UNI EN 494 (not applicable to accessories)
Resistance to impact	Conforms	EN 15057 (not applicable to accessories)
External fire performance	B roof	5.6.1- UNI EN 494 (not applicable to accessories)
Reaction to fire	A1	EN 13501
Water permeability	Conforms	5.3.4 – UNI EN 494 (not applicable to accessories)
Dimensional characteristics: Width: Thickness: Step wave: Depth wave:	mm 920 – 1097 -5 +10 mm 6,5 ± 0,6 mm 177 ± 2 mm 51 ± 3	5.2.4 – UNI EN 494
Durability hot water	R _L > 0,70	5.4.4- UNI EN 494 (not applicable to accessories)
Durability immersion / drying	R _L > 0,70	5.4.5- UNI EN 494 (not applicable to accessories)
Durability to freeze-thaw	RL> 0,70	5.4.2- UNI EN 494 (not applicable to accessories)
Durability to sun-rain	Conforms	5.4.3- UNI EN 494 (not applicable to accessories)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini 5.p.a.

Pag. 2/2

DoP_01-F-EN_P177-O_494.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com

3.1.2. Covering EUROPA P146-ONDABAND



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati



Sada: Via Eugenio Curtei, 27/A - 42024 CASTELNOVO SOTTO (Reggio Emilia) - Italy C.C.I.A.A di R.E.n. 173045 - Reg. Soc. Trib. di R.E.n. 16414 Cod. Rec. e Part. V A 01274540395

COVERING EUROPA P146-ONDABAND

DECLARATION OF PERFORMANCE (DOP)

Nº 03-F-EN

1. Unique identification code of the product-type:

03 - F - P146-O - Fiber cement profiled sheets UNI EN 494 : 2012

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): COVERING EUROPA P146-ONDABAND

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

Corrugated fiber cement eco-friendly polypropylene reinforced with straps and accessories, with a pitch waveform 146,5 mm, height of 47,6 mm and a thickness of 6.5 mm, available in widths of 1054 mm, in gray natural Stratocolor, Nuance, painted.

The plates are suitable for covering civil and industrial buildings.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(3): LANDINI s.p.a. - , via Eugenio Curiel 27/A - Castelnovo di Sotto (RE) Phone, 0522/688811 - Fax 0522/688870 <u>commerciale@landinispa.com</u> <u>www.landinispa.com</u>

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

 System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: Il sistema di valutazione e verifica, è un sistema 3.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

(name and identification number of the notified body, if relevant)
performed ________under system _______(description of the third party tasks as set out in Annex V)
and issued ________.(certificate of constancy of performance, certificate of conformity of the factory production control,
test/calculation reports - as relevant)
Not Applicable

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, if relevant) issued (reference number of the European Technical Assessment) on the basis of, (reference number of the European Assessment Document) performed_______under system, (description of the third party tasks as set out in Annex V)

and issaed

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable



Sito Web: w

494.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 www.landirisca.com - E-Mail: commerciale@landinisca.com - Uff.Estero: export@land





Sada: Via Eugenio Curisi, 27/A – 42024 CASTELNOVO SOTTO (Raggio Emilia) – Italy C.C.I.A.A. di REn. 173046 – Reg. Soc. Trb. di REn. 16414 Cod. Fac. e Pat. N A 01274540356

COVERING EUROPA PI46-ONDABAND

Essential characteristics	Performance	Harmonised technical specification
Mechanical resistance: Tensile strength Bending moment	Classe I Classe X	Punto 5.3.3 – UNI EN 494 (not applicable to accessories)
Resistance to impact	Conforms	EN 15057 (not applicable to accessories)
External fire performance	B roof	5.6.1- UNI EN 494 (not applicable to accessories)
Reaction to fire	A1	EN 13501
Water p <mark>erm</mark> eability	Conforms	5.3.4 – UNI EN 494 (not applicable to accessories)
Dimensional characteristics: Width: Thickness: Step wave: Depth wave:	mm 1054 -5 +10 mm 6,5 ± 0,6 mm 146,5 ± 2 mm 47,6 ± 3	5.2.4 – UNI EN 494
Durability hot water	R _L > 0,70	5.4.4- UNI EN 494 (not applicable to accessories)
Durability immersion / drying	R _L > 0,70	5.4.5- UNI EN 494 (not applicable to accessories)
Durability to freeze-thaw	R _L > 0,70	5.4.2- UNI EN 494 (not applicable to accessories)
Durability to sun-rain	Conforms	5.4.3- UNI EN 494 (not applicable to accessories)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini 5.p.a.

DoP_03-F-EN_P146-O_494.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com Pag. 2/2

3.1.3. Covering EUROPA ALLA ROMANA



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati





COVERING EUROPA ROMANA

DECLARATION OF PERFORMANCE (DOP)

Nº 04-F-EN

1. Unique identification code of the product-type: 04 - F - ROMANA - Fiber cement profiled sheets UNI EN 494 : 2012 2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): **COVERING EUROPA ROMANA** 3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the Corrugated fiber cement eco-friendly, with a pitch waveform 270 mm, height of 35 mm and a thickness of 6.5 mm, available in widths of 570 mm and 1150 mm, in gray natural and painted. The plates are suitable for covering civil. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. - , via Eugenio Curiel 27/A - Castelnovo di Sotto (RE) Phone. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable 6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: Il sistema di valutazione e verifica, è un sistema 3. 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: (name and identification number of the notified body, if relevant)
performed ______under system (description of the third party tasks as set out in Armex V) . (certificate of constancy of performance, certificate of conformity of the factory production control, and issued test/calculation reports - as relevant) Not Applicable 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: (name and identification number of the Technical Assessment Body, if relevant) issued (reference number of the European Technical Assessment) on the basis of. (reference number of the European Assessment Document)

performed _______under system. (description of the third party tasks as set out in Annex V)

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable



Sito Web: w

L_494.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 www.landinisca.com - E-Mail: commerciale@landinisca.com - Uff.Estero: gsport@landinisca.com





Sada: Via Eugenio Curiai, 27A – 42024 CASTELNOVO SOTTO (Raggio Emilia) – Italy C.C.I.A.A. di Rien, 173045 – Rag, Sco. Trib. di Rien, 16414 Cod. Fac, e Park, N.A.01274540356

COVERING EUROPA ROMANA

Essential characteristics	Performance	Harmonised technical specification
Mechanical resistance: Tensile strength Bending moment	Classe I Classe X	Punto 5.3.3 – UNI EN 494 (not applicable to accessories)
Resistance to impact	NPD	EN 15057 (not applicable to accessories)
External fire performance	B roof	5.6.1- UNI EN 494 (not applicable to accessories)
Reaction to fire	A1	EN 13501
Water permeability	Conforms	5.3.4 – UNI EN 494 (not applicable to accessories)
Dimensional characteristics: Width: Thickness: Step wave: Depth wave:	mm 570 - 1150 -5 +10 mm 6,5 ± 0,6 mm 270 ± 2 mm 35 ± 3	5.2.4 – UNI EN 494
Durability hot water	R _L > 0,70	5.4.4- UNI EN 494 (not applicable to accessories)
Durability immersion / drying	RL> 0,70	5.4.5- UNI EN 494 (not applicable to accessories)
Durability to freeze-thaw	RL> 0,70	5.4.2- UNI EN 494 (not applicable to accessories)
Durability to sun-rain	Conforms	5.4.3- UNI EN 494 (not applicable to accessories)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Laudini s.p.a.

DoP_04-F-EN_ ROMANA_494.doc Tel +39-0522.68.88.11 - Fax Uff.Crdini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com Pag. 2/2

3.1.4. Covering P9-ONDABAND



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati





COVERING PP-ONDABAND

DECLARATION OF PERFORMANCE (DOP)

Nº 05-F-EN

1. Unique identification code of the product-type: 05 - F - P9-O - Fiber cement profiled sheets UNI EN 494 : 2012

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): COVERING P9-ONDABAND

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer.

Corrugated fiber cement eco-friendly polypropylene reinforced with straps and accessories, with a pitch waveform 177 mm, height of 51 mm and a thickness of 6.5 mm, available in widths of 1025 mm, in gray natural and painted. It' possible to supply the product with chamfers and holes for installation. The plates are suitable for covering civil and industrial buildings.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. - , via Eugenio Curiel 27/A - Castelnovo di Sotto (RE) Phone. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

 System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: Il sistema di valutazione e verifica, è un sistema 3.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

(name and identification number of the notified body, if nelevant)
performed _______ under system ______ (description of the third party tasks as set out in Annex V)
and issued ______ (certificate of constancy of performance, certificate of conformity of the factory production control,
test/calculation reports -_____ as relevant)
Not Applicable

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, if relevant) issued (reference number of the European Technical Assessment) on the basis of, (reference number of the European Assessment Document) performed______under system. (description of the third party tasks as set out in Annex V)

and issaed

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable



Sito Web: w

94.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 www.landirisoa.com - E-Mail: commerciale@landirisoa.com - Uff.Estero: export@land





Seder Via Eugenio Curial, 27/A - 42024 CASTELNOVO SOTTO (Reggio Emilia) - Italy C.C.I.A. di Rien, 173045 - Reg. Sco. Trib. di Rien, 16414 Cod. Rec. e Park, N A 01274640356

COVERING P9-ONDABAND

Essential characteristics	Performance	Harmonised technical specification
Mechanical resistance: Tensile strength Bending moment	Classe I Classe X	Punto 5.3.3 – UNI EN 494 (not applicable to accessories)
Resistance to impact	Conforms	EN 15057 (not applicable to accessories)
External fire performance	B roof	5.6.1- UNI EN 494 (not applicable to accessories)
Reaction to fire	A1	EN 13501
Water permeability	Conforms	5.3.4 – UNI EN 494 (not applicable to accessories)
Dimensional characteristics: Width: Thickness: Step wave: Depth wave:	mm 1025 -5 +10 mm 6,5 ± 0,6 mm 177 ± 2 mm 51 ± 3	5.2.4 – UNI EN 494
Durability hot water	R _L > 0,70	5.4.4- UNI EN 494 (not applicable to accessories)
Durability immersion / drying	R _L > 0,70	5.4.5- UNI EN 494 (not applicable to accessories)
Durability to freeze-thaw	RL> 0,70	5.4.2- UNI EN 494 (not applicable to accessories)
Durability to sun-rain	Conforms	5.4.3- UNI EN 494 (not applicable to accessories)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini 5.p.a.

DoP_05-F-EN_P9-O_494.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: expon@landinispa.com

Pag, 2/2

3.1.5. Covering P6



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Sada: Via Eugenio Curtei, 27/A - 42024 CASTELNOVO SOTTO (Reggio Emilia) - Italy C.C.I.A.A di R.E.n. 173045 - Reg. Soc. Trib. di R.E.n. 16414 Cod. Rec. e Part. V A 01274540395



COVERING PS

DECLARATION OF PERFORMANCE (DOP)

Nº 06-F-EN

1. Unique identification code of the product-type:

06 - F - P6 - Fiber cement profiled sheets UNI EN 494 : 2012

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4); **COVERING P6**

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

Corrugated fiber cement eco-friendly polypropylene reinforced with straps and accessories, with a pitch waveform 146,5 mm, height of 47,6 mm and a thickness of 6.5 mm, available in widths of 1086 mm, in gray natural, painted. It' possible to supply the product with chamfers and holes for installation. The plates are suitable for covering civil and industrial buildings.

Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. - , via Eugenio Curiel 27/A - Castelnovo di Sotto (RE) 4. Name, regi Phone. 0522/688811 - Fax 0522/688870 commerciale@landinispa.com www.landinispa.com

Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: Il sistema di valutazione e verifica, è un sistema 3.

7. In case of the declaration of performance concernine a construction product covered by a harmonised standard:

(name and identification number of the notified body, if relevant) performed (description of the third party tasks as set out in Annex V) ____ under system and issued . (certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, if relevant) issued (reference number of the European Technical Assessment) on the basis of. (reference number of the European Assessment Document) performed . under system. (description of the third party tasks as set out in Annex V)

and issaed.

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable



Rev. 0 del 01/07/2013

Pag. 1/2

Tel +39-0522.68.88.11 - Fax UIT.Ordini +39-0522.68.89.72 - Fax +39-0522.68.88.70 www.landinisoa.com - E-Mail: commerciale@landinisoa.com - UIT.Estero: export@land Sito Web: y





Seder Via Eugenio Curiel, 271A - 42034 CASTELNOVO SOTTO (Reggio Emilia) - Italy C.C.I.A. di Rien, 173045 - Reg. Sco. Trib. di Rien, 16414 Cod. Reg. e Parl, N A 01274540356

COVERING PS

Essential characteristics	Performance	Harmonised technical specification
Mechanical resistance: Tensile strength Bending moment	Classe I Classe X	Punto 5.3.3 – UNI EN 494 (not applicable to accessories)
Resistance to impact	Conforms	ACR [M] 001: 2005 (not applicable to accessories)
External fire performance	B roof	5.6.1- UNI EN 494 (not applicable to accessories)
Reaction to fire	Classe 1	BS 476/7
Water p <mark>erm</mark> eability	Conforms	5.3.4 – UNI EN 494 (not applicable to accessories)
Dimensional characteristics: Width: Thickness: Step wave: Depth wave:	mm 1086 -5 +10 mm 6,5 ± 0,6 mm 146,5 ± 2 mm 47,6 ± 3	5.2.4 – UNI EN 494
Durability hot water	R _L > 0,70	5.4.4- UNI EN 494 (not applicable to accessories)
Durability immersion / drying	R _L > 0,70	5.4.5- UNI EN 494 (not applicable to accessories)
Durability to freeze-thaw	R _L > 0,70	5.4.2- UNI EN 494 (not applicable to accessories)
Durability to sun-rain	Conforms	5.4.3- UNI EN 494 (not applicable to accessories)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini 5.p.a.

DoP_06-F-EN_P6_494.doc

N_P6_494,doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax UIE.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - UIE.Estero: export@landinispa.com

Pag. 2/2

3.1.6. Underlay EUROPA P200,5-ONDABAND



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati



Sada: Via Eugenio Curtei, 27/A - 42024 CASTELNOVO SOTTO (Reggio Emilia) - Italy C.C.I.A.A di R.E.n. 173045 - Reg. Soc. Trib. di R.E.n. 16414 Cod. Rec. e Part. V A 01274540395

UNDERLAY EUROPA P200,5-ONDABAND

DECLARATION OF PERFORMANCE (DOP)

Nº 07-F-EN

1. Unique identification code of the product-type:

07 - F - P200,5-O - Fiber cement profiled sheets UNI EN 494 : 2012

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): UNDERLAY EUROPA P200,5-ONDABAND

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

Corrugated fiber cement eco-friendly polypropylene reinforced with straps and accessories, with a pitch waveform 200,5 mm, height of 60 mm and a thickness of 6.5 mm, available in widths of 1043 mm, in gray natural Stratocolor, Nuance, Mircolor, painted.

The plates are suitable for covering civil and industrial buildings or as a support for tile width 170+190.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(3): LANDINI s.p.a. - , via Eugenio Curiel 27/A - Castelnovo di Sotto (RE) Phone. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

 System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: Il sistema di valutazione e verifica, è un sistema 3.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

(name and identification number of the notified body, if relevant)
performed _______under system (description of the third party tasks as set out in Annex V)
and issued . (certificate of constancy of performance, certificate of conformity of the factory production control,
test/calculation reports - as relevant)
Not Applicable

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, if relevant) issued (reference number of the European Technical Assessment) on the basis of, (reference number of the European Assessment Document) performed_______under system, (description of the third party tasks as set out in Annex V)

and issaed

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable



Sito Web: w

_494.doc Rev. 1 de1 16/12/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 www.landirisoa.com - E-Mail: commerciale@landirisoa.com - Uff.Estero: export@land





Sada: Via Eugenio Curisi, 27/A – 42024 CASTELNOVO SOTTO (Raggio Emilia) – Italy C.C.I.A.A. dl REn. 173045 – Rag. Soc. Trib. dl REn. 16414 Cod. Fac. e Park. N A 01274540356

UNDERLAY EUROPA P200,5-ONDABAND

Essential characteristics	Performance	Harmonised technical specification
Mechanical resistance: Tensile strength Bending moment	Classe I Classe X	Punto 5.3.3 – UNI EN 494 (not applicable to accessories)
Resistance to impact	Conforms	EN 15057 (not applicable to accessories)
External fire performance	B roof	5.6.1- UNI EN 494 (not applicable to accessories)
Reaction to fire	A1	EN 13501
Water p <mark>erm</mark> eability	Conforms	5.3.4 – UNI EN 494 (not applicable to accessories)
Dimensional characteristics: Width: Thickness: Step wave: Depth wave:	mm 1043 -5 +10 mm 6,5 ± 0,6 mm 200,5 ± 2 mm 60 ± 3	5.2.4 – UNI EN 494
Durability hot water	R _L > 0,70	5.4.4- UNI EN 494 (not applicable to accessories)
Durability immersion / drying	R _L > 0,70	5.4.5- UNI EN 494 (not applicable to accessories)
Durability to freeze-thaw	R _L > 0,70	5.4.2- UNI EN 494 (not applicable to accessories)
Durability to sun-rain	Conforms	5.4.3- UNI EN 494 (not applicable to accessories)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 16/12/2013

Landini 5.p.a.

Pag. 2/2

DoP_07-F-EN_ P200,5-O_494.doc Rev. 1 de1 16/12/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com

3.1.7. Underlay EUROPA P234,8-ONDABAND



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati



Sada: Via Eugenio Curtei, 27/A - 42024 CASTELNOVO SOTTO (Reggio Emilia) - Italy C.C.I.A.A di R.E.n. 173045 - Reg. Soc. Trib. di R.E.n. 16414 Cod. Rec. e Part. V A 01274540395

UNDERLAY EUROPA P234,8-ONDABAND

DECLARATION OF PERFORMANCE (DOP)

Nº 09-F-EN

1. Unique identification code of the product-type:

09 - F - P234,8-O - Fiber cement profiled sheets UNI EN 494 : 2012

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): UNDERLAY EUROPA P234,8-ONDABAND

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

Corrugated fiber cement eco-friendly polypropylene reinforced with straps and accessories, with a pitch waveform 234,8 mm, height of 57,4 mm and a thickness of 6.5 mm, available in widths of 970 mm, in gray natural Stratocolor, Nuance, painted.

The plates are suitable for covering civil and industrial buildings or as a support for tile width 190-220.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. - , via Eugenio Curiel 27/A - Castelnovo di Sotto (RE) Phone. 0522/ 688811 - Fax 0522/ 688870 <u>commerciale@landinispa.com</u> <u>www.landinispa.com</u>

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

 System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: Il sistema di valutazione e verifica, è un sistema 3.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

(name and identification number of the notified body, if nelevant)
performed _______under system ______(description of the third party tasks as set out in Annex V)
and issued ______(certificate of constancy of performance, certificate of conformity of the factory production control,
test/calculation reports -__as relevant)
Not Applicable

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

CSTB Centre Scientifique et Tecnique du Batiment Zertifikat: 077-H1 (Gültigkeit liegt vor) Address: Avenue Jean Jaures 84 Champs Sur Marne 77447 MARNE-LA-VALLEE CEDEX 2 - FRANCIA

DoP_09-F-EN_ P234.8- 0_494.doc Tel +39-0522.68 Sito Web: www.landirispa.oc

_494.doc Re v, 0 de1 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 www.landinispa.com - E-Mail: <u>commerciale@landinispa.com</u> - Uff.Estero: <u>export@landinispa.com</u>





Sada: Via Eugenio Curisi, 27/A – 42024 CASTELNOVO SOTTO (Raggio Emilia) – Italy C.C.I.A.A. dl REn. 173045 – Rag. Soc. Trib. dl REn. 16414 Cod. Fac. e Park. N A 01274540356

UNDERLAY EUROPA P234,8-ONDABAND

Essential characteristics	Performance	Harmonised technical specification
Mechanical resistance: Tensile strength Bending moment	Classe I Classe X	Punto 5.3.3 – UNI EN 494 (not applicable to accessories)
Resistance to impact	Conforms	EN 15057 (not applicable to accessories)
External fire performance	B roof	5.6.1- UNI EN 494 (not applicable to accessories)
Reaction to fire	A1	EN 13501
Water permeability	Conforms	5.3.4 – UNI EN 494 (not applicable to accessories)
Dimensional characteristics: Width: Thickness: Step wave: Depth wave:	mm 970 -5 +10 mm 6,5 ± 0,6 mm 234,8 ± 2 mm 57,4 ± 3	5.2.4 – UNI EN 494
Durability hot water	R _L > 0,70	5.4.4- UNI EN 494 (not applicable to accessories)
Durability immersion / drying	R _L > 0,70	5.4.5- UNI EN 494 (not applicable to accessories)
Durability to freeze-thaw	RL> 0,70	5.4.2- UNI EN 494 (not applicable to accessories)
Durability to sun-rain	Conforms	5.4.3- UNI EN 494 (not applicable to accessories)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini 5.p.a.

Pag. 2/2

DoP_09-F-EN_ P234,8-O_494,doc Rev. 0 de1 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com

3.1.8. Covering EUROSIX-LAN



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati





COVERING EUROSIX-LAN

Pag. 1/2

DECLARATION OF PERFORMANCE (DOP)

Nº 10-F-EN

1. Unique identification code of the product-type:

10 - F - EUROSIX-LAN - Fiber cement profiled sheets UNI EN 494 : 2012

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): COVERING EUROSIX-LAN

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

Corrugated fiber cement eco-friendly polypropylene reinforced with straps and accessories, with a pitch waveform 146,5 mm, height of 47,6 mm and a thickness of 6.5 mm, available in widths of 1086 mm, in gray natural Stratocolor, painted. It' possible to supply the product with chamfers and holes for installation. The plates are suitable for covering civil and industrial buildings.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. - , via Eugenio Curiel 27/A - Castelnovo di Sotto (RE) Phone. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

 System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: Il sistema di valutazione e verifica, è un sistema 3.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

(name and identification number of the notified body, if nelevant)
performed _______under system ______(description of the third party tasks as set out in Annex V)
and issued ______(certificate of constancy of performance, certificate of conformity of the factory production control,
test/calculation reports -____as nelevant)
Not Applicable

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, if relevant) issued (reference number of the European Technical Assessment) on the basis of, (reference number of the European Assessment Document) performed_______under system. (description of the third party tasks as set out in Annex V)

and issaed

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable

DoP_10-F-EN_EUROSIX-LAN_494,doc	Rev. 0 del 01/07/2013
Tel +39-0522.68.88.11 - Fax	Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70
Site Web: www.landinisna.com - E-Mail:	commerciale@landinispa.com - LW Estero: ecnort@landinispa.co

20





Seder Via Eugenio Curiel, 27/A - 42024 CASTELNOVO SOTTO (Reggio Emilia) - Italy C.C.I.A. di Rien, 173045 - Reg. Sco. Trib. di Rien, 16414 Cod. Rec. e Park, N A 01274640356

COVERING EUROSIX-LAN

Essential characteristics	Performance	Harmonised technical specification
Mechanical resistance: Tensile strength Bending moment	Classe I Classe X	Punto 5.3.3 – UNI EN 494 (not applicable to accessories)
Resistance to impact	Conforms	ACR [M] 001: 2005 (not applicable to accessories)
External fire performance	B roof	5.6.1- UNI EN 494 (not applicable to accessories)
Reaction to fire	Classe 1	BS 476/7
Water permeability	Conforms	5.3.4 – UNI EN 494 (not applicable to accessories)
Dimensional characteristics: Width: Thickness: Step wave: Depth wave:	mm 1086 -5 +10 mm 6,5 ± 0,6 mm 146,5 ± 2 mm 47,6 ± 3	5.2.4 – UNI EN 494
Durability hot water	R _L > 0,70	5.4.4- UNI EN 494 (not applicable to accessories)
Durability immersion / drying	R _L > 0,70	5.4.5- UNI EN 494 (not applicable to accessories)
Durability to freeze-thaw	R _L > 0,70	5.4.2- UNI EN 494 (not applicable to accessories)
Durability to sun-rain	Conforms	5.4.3- UNI EN 494 (not applicable to accessories)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini 5.p.a.

Pag. 2/2

DoP_10-F-EN_EUROSIX-LAN_494,doc Rev. 0 de1 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com

3.2. Metal Roofing LAGRECA

3.2.1. Profile H21 made of Galvanized natural steel



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati ar Va Eurono Curiel, 27/A - 42024 CASTEL XOVO SOTTO (Record Emilia)-

Sada: Via Eugenio Curial, 27/A.- 42024 CASTELNOVO SOTTO (Raggio Emilia).- Italy C.C.I.A.A. di R.E.n. 173046 - Rig. Soc. Trib. di R.E.n. 16414 Cod. Rat. e Part. NA 01274640366



H2IACZN

DECLARATION OF PERFORMANCE (DOP) Nº 01-G-EN

 Unique identification code of the product-type: LAGRECA-H21ACZN (Galvanized natural steel)

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): H21ACZN

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacture:

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0.4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4.0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

(name and identification number of the notified body, if relevant)
performed ________ under system (description of the third party tasks as set out in Annex V)
and issued _______. (certificate of constancy of performance, certificate of conformity of the factory production control,
test/calculation reports - as relevant)
Not Applicable

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, if relevant) issued. (reference number of the European Technical Assessment) on the basis of, (reference number of the European Assessment Document) performed________under system. (description of the third party tasks as set out in Annex V)

DoP_01-C-EN_H21ACZN.doc Rev. 0 del 01/07/2013 Tel +39-0522.88.88.11 - Fax. Uff.Ordini +39-0522.88.88.72 - Fax. +39-0522.88.88.70 Sito Web: www.landnisca.com - E-Mail: commerciale@landnisca.com - Uff.Estero: except@landnisca.com





Sode: Via Eugenio Curial, 27/A- 42024 CASTELNOVO SOTTO (Reggio Emilia)- Italy C.C.I.A. di RE n. 173045- Reg. Soc. Trb. di RE n. 16414 Cod. Rep. e Part. NA 01274640356

H2LACZN

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Galvanized natural steel S250 GD Z 200	UNI EN 508-1 - UNI EN 10346
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 10346
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H21/985 with 12 pitches of 75 mm and net width of 900 mm H21/1187 with 15 pitches di 75 mm and net width of 1125 mm	
-	Dimensional tolerances	UNI EN 508-1 - UNI EN 10346
Watar pormashilib	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 2,52 ml Thickness 6/10 mm 3,24 ml Thickness 7/10 mm 3,87 ml Thickness 8/10 mm 5,76 ml Waterreef 5,76 ml	Annex B UNI EN 14782
Water permeability	Waterproof	
Vapour and air permeability Air and vapour proof		
Dimensional change	Coefficient of steel thermal expansion - 12 x 10° C ⁻¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

DoP_01-C-EN_H21ACZN.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landrrispa.com - E-Mail: commerciale@tandinispa.com - Uff.Estero: export@tandinispa.com Pag. 2/2

3.2.2. Profile H21 made of Prepainted Galvanized steel



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati



Sada: Via Eugenio Curiei, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA, di R.E.n. 173045 - Rag. Soc. Trib. di R.E.n. 16414 Cod. Rim. e Part. WA 01274640366

H2IACZP

DECLARATION OF PERFORMANCE (DOP)

Nº 02-G-EN

1. Unique identification code of the product-type: LAGRECA-H21ACZP (Prepainted Galvanized steel)

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): H21ACZP

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

mm.idnamapa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Pag. 1/2

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0.4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4.0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	n number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports		f constancy of performance, certificate of conformity of the factory production control
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment liseased	Body, if relevant)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed (description of the third party tasks as set out in Annex V)	under system.

DoP_02-G-EN_H21ACZP.doc

Rev. 0 del 01/07/2013

Tel +39-0522.08.88.11 - Fax Uff.Ordini +39-0522.08.88.72 - Fax +39-0522.08.88.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com

24





Sada: Via Eugenio Curial, 27/A.- 42024 CASTELNOVO SOTTO (Raggio Emilia).- Italy C.C.LAA. di RE.n. 173046 - Rag. Soc. Trib. di RE.n. 16414 Cod. Ran. e Part. NA 01274540366

H2IACZP

and issued.

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

ssential characteristics	Performance	Harmonised technical specification
Type of metal	Prepainted galvanized steel S250 GD Z150 Side 1: Polyester 18/20 µm - Side 2: primer 5/7 µm	UNI EN 508-1 - UNI EN 10346
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 10346
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H21/985 with 12 pitches of 75 mm and net width of 900 mm H21/1187 with 15 pitches di 75 mm and net width of 1125 mm	
	Dimensional tolerances	UNI EN 508-1 - UNI EN 10346
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 2,52 ml Thickness 5/10 mm 3,24 ml Thickness 7/10 mm 3,87 ml Thickness 8/10 mm 4,50 ml Thickness 8/10 mm 5,76 ml	Annex B UNI EN 14782
Water permeability	Waterproof	
Vapour and air permeability	Air and vapour proof	6
Dimensional change	Coefficient of steel thermal expansion - 12 x 10° C'	
Durability	To be assessed in according to the use	Sector restorements and and
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini y.p.a.

Pag. 2/2

DoP_02-G-EN_H21ACZP.doc

Rev. 0 del 01/07/2013 Tel +39-0522.68.98.11 - Fax Uff.Ordini -39-0526.88.87 - Fax +39-0522.68.98.70 Sito Web: <u>www.landinisca.com</u> - E-Mail: <u>commerciale@landinisca.com</u> - Uff.Estero: <u>excort@landinisc</u> om

Profile H21 made of Natural aluminium 3.2.3.



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati



Sada: Via Eugenio Curiei, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA, di R.E.n. 173045 - Rag. Soc. Trib. di R.E.n. 16414 Cod. Rim. e Part. WA 01274640366

H2IALNA

DECLARATION OF PERFORMANCE (DOP)

Nº 03-G-EN

. Unique identification code of the product-type: LAGRECA-H21ALNA (Natural aluminium) 1. Un

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Anticle 11(4): H21ALNA

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0,4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4,0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified body under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, if a issued	levant)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performedunder sy (description of the third party tasks as set out in Annex V)	stem.

DoP 03-G-EN H21ALNA.doc

Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landnisca.com - E Mail: commerciale@landnisca.com - Uff.Estero: excort@land





Sada: Via Eugenio Curial, 27/A.- 42024 CASTELNOVO SOTTO (Raggio Emilia).- Italy C.C.LAA. di RE.n. 173046 - Rag. Soc. Trib. di RE.n. 16414 Cod. Ran. e Part. NA 01274540366

H2IALNA

and issued.

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable

9. Declared performance

Essential characteristics	specification	
Type of metal	Natural aluminium Alloy 3003/3103/3105 H16 - H18	UNI EN 508-2 - UNI EN 485-4 - UNI EN 573-3
Nominal thickness	Minimum nominal thickness 0,6 mm – roofing application Minimum nominal thickness 0,4 mm – other application	UNI EN 14782 - UNI EN 485-4
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H21/985 with 12 pitches of 75 mm and net width of 900 mm H21/1187 with 15 pitches di 75 mm and net width of 1125 mm	
	Dimensional tolerances	UNI EN 508-2 - UNI EN 485-4
Watar pormashility	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 1,08 ml Thickness 6/10 mm 1,53 ml Thickness 7/10 mm 1,89 ml Thickness 10/10 mm 2,25 ml Thickness 10/10 mm 3,06 ml Waterproof 3,06 ml	Annex B UNI EN 14782
Water permeability Vapour and air permeability	Air and vapour proof	39
Dimensional change	Coefficient of aluminium thermal expansion – 23,6 x 10 ⁶ C ⁻¹	С. Г
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

Rev. 0 del 01/07/2013

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4, Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

DoP_03-G-EN_H21ALNA.doc Tel +39-0522.88.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: <u>www.landinisca.com</u> - E-Mail: <u>commerciale@landinisca.com</u> - Uff.Estero: <u>excert@landinisca</u>

Pag. 2/2

3.2.4. Profile H21 made of Prepainted aluminium



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Soda: Via Eugeno Curial, 27/A-42024 CASTELNOVO SOTTO (Reggio Emila)- taly CCLAA.dHEn. 17306- Rig. Son. Tab. dHE n. 16141 Cod. Ha: e Pat. M. 0127640356



HILLPR

Pag. 1/2

DECLARATION OF PERFORMANCE (DOP)

Nº 04-G-EN

 Unique identification code of the product-type: LAGRECA-H21ALPR (Prepainted aluminium)

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): H21ALPR

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

www.tarkimapa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0.4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4.0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

(nume and identification num performed ut	ider system	이 가 많은 것 같은 것이다. 가만 집에 집에 있는 것이 있는 것 같은 것이 가지 않는 것이 있는 것이 가지 않는 것이 같이 많이 있다. 것이 같이 있는 것이 같이 있는 것이 같이 있는 것이 같이 있다. 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 없다. 것이 있는 것이 있는 것이 없는 것이 없는 것이 없다. 것이 있는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 없는 것이 않는 것이 없는 것이 없 않 않는 것이 않이 않는 것이 않이 않이 않는 것이 않이 않는 것이 않이 않는 것이 않이
and issued test/calculation reports - as a Not Applicable		f constancy of performance, certificate of conformity of the factory production control,

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

elevant)
olem.

DoP_04-G-EN_H21ALPR.doc

Rev. 0 del 01/07/2013

Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com





Sode: Via Eugenio Curial, 27/A- 42024 CASTELNOVO SOTTO (Reggio Emilia)- Italy C.C.I.A. di R.E.n. 173045- Reg. Soc. Trb. di R.E.n. 16414 Cod. Reg. e Part. NA 01274640356

HILLPR

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification	
Type of metal	Prepainted aluminium Alloy 3003/3103/3105 H46 - H48 Side 1: Polyester 18/20 µm - Side 2: primer 5/7 µm	UNI EN 508-2 - UNI EN 485-4 - UNI EN 573-3	
Nominal thickness	Minimum nominal thickness 0,6 mm - roofing application Minimum nominal thickness 0,4 mm - other application	UNI EN 14782 – UNI EN 485-4	
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H21/985 with 12 pitches of 75 mm and net width of 900 mm H21/1187 with 15 pitches di 75 mm and net width of 1125 mm		
	Dimensional tolerances	UNI EN 508-2 - UNI EN 485-4	
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 1,08 ml Thickness 6/10 mm 1,53 ml Thickness 8/10 mm 2,25 ml Thickness 10/10 mm 3,06 ml	Annex B UNI EN 14782	
Water permeability	Waterproof		
Vapour and air permeability	Air and vapour proof		
Dimensional change	Coefficient of aluminium thermal expansion – 23,6 x 10 ⁶ C ¹		
Durability	To be assessed in according to the use	hanna ann an a	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)	
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

Pag. 2/2

DoP_04-G-EN_H21ALPR.doc

_H21AL/PR.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landmispa.com - E-Mail: commerciale@landmispa.com - Uff.Estero: excont@landmispa.co

3.2.5. Profile H21 made of Natural aluzinc



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Soda: Via Eugeno Curial, 27/A-42024 CASTELNOVO SOTTO (Reggio Emila)- taly CCLAA.dHEn. 17306- Rig. Son. Tab. dHEn. 16141 Cod. Ris. e Pat. M. 0127640356



H21ALZN

Pag. 1/2

DECLARATION OF PERFORMANCE (DOP)

Nº 05-G-EN

1. Unique identification code of the product-type: LAGRECA-H21ALZN (Natural aluzinc)

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): H21ALZN

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

www.iandinispa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0.4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4.0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, it	f relevant)
issued	
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
	r system.
(description of the third party tasks as set out in Annex V)	

DoP_05-G-EN_H21ALZN.doc

Rev. 0 del 01/07/2013

Tel +39-0522.68.98.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com

30





Sada: Via Eugenio Curial, 27/A.- 42024 CASTELNOVO SOTTO (Raggio Emilia).- Italy C.C.LAA. di RE.n. 173046 - Rag. Soc. Trib. di RE.n. 16414 Cod. Ran. e Part. NA 01274540366

H21ALZN

and issued.

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Natural aluzinc S250 GD AZ150 - AZ185	UNI EN 508-1 - UNI EN 10346
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 10346
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H21/985 with 12 pitches of 75 mm and net width of 900 mm H21/1187 with 15 pitches di 75 mm and net width of 1125 mm	
	Dimensional tolerances	UNI EN 508-1 - UNI EN 10346
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 2,52 ml Thickness 6/10 mm 3,24 ml Thickness 7/10 mm 3,87 ml Thickness 8/10 mm 4,50 ml Thickness 10/10 mm 5,76 ml	Annex B UNI EN 14782
Water permeability	Waterproof	
Vapour and air permeability	Air and vapour proof	8
Dimensional change	Coefficient of steel thermal expansion - 12 x 10° C ⁻¹	Ś.
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

Pag. 2/2

DoP_05-G-EN_H21ALZN.doc

Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landinisca.com - E-Mail: commerciale@landinisca.com - Uff.Estero: export@landinisca. mo

3.2.6. Profile H21 made of INOX 204 2B



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Soda: Via Eugeno Curial, 27/A-42024 CASTELNOVO SOTTO (Reggio Emila)- taly CCLAA.dHEn. 17306- Rig. Son. Tab. dHE n. 16141 Cod. Ha: e Pat. M. 0127640356



H2IINOX

DECLARATION OF PERFORMANCE (DOP)

Nº 06-G-EN

1. Unique identification code of the product-type: LAGRECA-H21INOX (INOX)

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): H21INOX

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

www.iaribinispa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Pag. 1/2

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0.4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4.0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	n number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports		f constancy of performance, certificate of conformity of the factory production control
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, i issued	if ælevant)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed unde (description of the third party tasks as set out in Annex V)	r system.

DoP_06-G-EN_H21INOX.doc

Rev. 0 del 01/07/2013

Tel +39-0522.68.98.11 - Fax Uff.Ordini +39-0522.68.98.72 - Fax +39-0522.68.98.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: excort@landinispa.com





Sada: Via Eugenio Curial, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA. di RE.n. 173045 - Rag. Soc. Trb. di RE.n. 16414 Cod. Rat. o Part. NA 01274540256

H21INOX

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	INOX AISI 304 2B: X5 CrNi 18 10 + 2B - 1.4301 + 2B	UNI EN 508-3 - UNI EN 9445-2 UNI/EN 10088
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 9445-2
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H21/985 with 12 pitches of 75 mm and net width of 900 mm	
	Dimensional tolerances	UNI EN 508-3 - UNI EN 9445-2
Water permeability	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 2,52 ml Thickness 5/10 mm 3,24 ml Thickness 7/10 mm 3,87 ml Thickness 8/10 mm 4,50 ml Waterproof Waterproof	Annex B UNI EN 14782
Vapour and air permeability	Air and vapour proof	
Dimensional change	Coefficient of stainless steel thermal expansion 17 x 10 ⁶ C ⁻¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

Pag. 2/2

DoP_06-G-EN_H21INOX.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.98.11 - Fax Uff.Ordini +39-0522.68.98.72 - Fax +39-0522.68.98.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com

3.2.7. Profile H28 made of Galvanized natural steel



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Soda: Via Eugeno Curial, 27/A-42024 CASTELNOVO SOTTO (Reggio Emila)- taly CCLAA.dHEn. 17306- Rig. Son. Tab. dHE n. 16141 Cod. Ha: e Pat. M. 0127640356



H28ACZN

Pag. 1/2

DECLARATION OF PERFORMANCE (DOP)

Nº 21-G-EN

 Unique identification code of the product-type: LAGRECA-H28ACZN (Galvarized natural steel)

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): H28ACZN

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com were fundinisma.com

www.landinispa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501) 4

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0.4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4.0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

performed un	der system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports - as a Not Applicable		of constancy of performance, certificate of conformity of the factory production control

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment issued	Body, if relevant)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed (description of the third party tasks as set out in Annex V)	under system.

DoP_21-G-EN_H28ACZN.doc

Rev. 0 del 01/07/2013

Tel +39-0522.88.98.11 - Fax Uff.Ordini +39-0522.68.98.72 - Fax +39-0522.68.98.70 Sito Web: www.landinisca.com - E-Mail: commerciale@landinisca.com - Uff.Estero: excort@landinisca.com





Sada: Via Eugenio Curial, 27/A.- 42024 CASTELNOVO SOTTO (Raggio Emilia).- Italy C.C.LAA. di RE.n. 173046 - Rag. Soc. Trib. di RE.n. 16414 Cod. Ran. e Part. NA 01274540366

H2SACZN

and issued.

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Galvanized natural steel S250 GD Z 200	UNI EN 508-1 - UNI EN 10346
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 10346
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H28/1021 with 8 pitches of 112 mm and net width of 896 mm H28/1127 with 9 pitches of 112 mm and net width of 1008 mm H28/1231 with 10 pitches of 112 mm and net width of 1120 mm	
	Dimensional tolerances	UNI EN 508-1 - UNI EN 10346
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 2,16 ml Thickness 6/10 mm 2,88 ml Thickness 7/10 mm 3,60 ml Thickness 8/10 mm 4,41 ml Thickness 10/10 mm 5,85 ml	Annex B UNI EN 14782
Water permeability	Waterproof	2
Vapour and air permeability	Air and vapour proof	
Dimensional change	Coefficient of steel thermal expansion - 12 x 10° C'	6
Durability	To be assessed in according to the use	Q
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

Pag. 2/2

DoP_21-G-EN_H28ACZN.doc

Rev. 0 del 01/07/2013 Tel +39-0522.68.98.11 - Fax Uff.Ordin - 39-0522.68.98.70 Tel +39-0522.68.98.11 - Fax Uff.Ordin - 39-0522.68.98.72 - Fax +39-0522.68.98.70 Sito Web: <u>www.landinisca.com</u> - E-Mail: <u>commerciale@landinisca.com</u> - Uff.Estero: <u>export@landinisc</u>

3.2.8. Profile H28 made of Prepainted Galvanized steel



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati



Sada: Via Eugenio Curiei, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA, di R.E.n. 173045 - Rag. Soc. Trib. di R.E.n. 16414 Cod. Rim. e Part. WA 01274640366

H28ACZP

DECLARATION OF PERFORMANCE (DOP)

Nº 22-G-EN

1. Unique identification code of the product-type: LAGRECA-H28ACZP (Prepainted Galvanized steel)

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): H28ACZP

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

www.iandinispa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0.4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4.0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment	Body, if relevant)
issued	
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed (description of the third party tasks as set out in Annex V)	_ under system.

DoP_22-G-EN_H28ACZP.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landiniaca.com - E-Mail: commerciale@landiniaca.com - Uff.Estero: except@land





Sada: Via Eugenio Curial, 27/A.- 42024 CASTELNOVO SOTTO (Raggio Emilia).- Italy C.C.LAA. di RE.n. 173046 - Rag. Soc. Trib. di RE.n. 16414 Cod. Ran. e Part. NA 01274540366

H28ACZP

and issued.

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification	
Type of metal	Prepainted galvanized steel S250 GD Z150 Side 1: Polyester 18/20 µm - Side 2: primer 5/7 µm	UNI EN 508-1 - UNI EN 10346	
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 10346	
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H28/1021 with 8 pitches of 112 mm and net width of 896 mm H28/1127 with 9 pitches of 112 mm and net width of 1008 mm H28/1231 with 10 pitches of 112 mm and net width of 1120 mm		
	Dimensional tolerances	UNI EN 508-1 - UNI EN 10346	
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 2,16 ml Thickness 6/10 mm 2,88 ml Thickness 7/10 mm 3,60 ml	Annex B UNI EN 14782	
	Thickness 8/10 mm 4.41 ml		
	Thickness 10/10 mm 5.85 ml		
Water permeability	Waterproof		
Vapour and air permeability	Air and vapour proof	<u>.</u>	
Dimensional change	Coefficient of steel thermal expansion - 12 x 10° C ⁻¹	ð	
Durability	To be assessed in according to the use	5	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)	
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

DoP_22-G-EN_H28ACZP,doc

Rev. 0 del 01/07/2013 T2AC229.0002 Tel +39-0522.88.88.11 - Fax: Uff.Ordini +39-0522.68.88.72 - Fax: +39-0522.68.88.70 Sito Web: <u>www.landinisca.com</u> - E-Mail: <u>commerciale@landinisca.com</u> - Uff.Estero: <u>excert@landinisca</u>

Pag. 2/2

om

3.2.9. Profile H28 made of Natural aluminium



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Sada: Via Eugenio Curiei, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA, di R.E.n. 173045 - Rag. Soc. Trib. di R.E.n. 16414 Cod. Rim. e Part. WA 01274640366



H28ALNA

Pag. 1/2

DECLARATION OF PERFORMANCE (DOP)

Nº 23-G-EN

. Unique identification code of the product-type: LAGRECA-H28ALNA (Natural aluminium) 1. Un

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Anticle 11(4): H28ALNA

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0,4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4,0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, if rele	vani)
issued (reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed under syst (description of the third party tasks as set out in Annex V)	em.

DoP_23-G-EN_H28ALNA.doc

Sito Web: www.landinispa

Rev. 0 del 01/07/2013

Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff Estero: excort@land





Sada: Via Eugenio Curial, 27/A.- 42024 CASTELNOVO SOTTO (Raggio Emilia).- Italy C.C.LAA. di RE.n. 173046 - Rag. Soc. Trib. di RE.n. 16414 Cod. Ran. e Part. NA 01274540366

H28ALNA

and issued.

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Natural aluminium Alloy 3003/3103/3105 H16 - H18	UNI EN 508-2 - UNI EN 485-4 - UNI EN 573-3
Nominal thickness	Minimum nominal thickness 0,6 mm – roofing application Minimum nominal thickness 0,4 mm – other application	UNI EN 14782 - UNI EN 485-4
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H28/1021 with 8 pitches of 112 mm and net width of 896 mm H28/1127 with 9 pitches of 112 mm and net width of 1008 mm H28/1231 with 10 pitches of 112 mm and net width of 1120 mm	
	Dimensional tolerances	UNI EN 508-2 - UNI EN 485-4
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 0,90 ml Thickness 5/10 mm 1,44 ml Thickness 7/10 mm 1,89 ml Thickness 8/10 mm 2,43 ml Thickness 100 mm 3,42 ml	Annex B UNI EN 14782
Water permeability	Waterproof	
Vapour and air permeability	Air and vapour proof	
Dimensional change	Coefficient of aluminium thermal expansion – 23,6 x 10 ⁶ C ¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a

DoP_23-G-EN_H28ALNA.doc

Rev. 0 del 01/07/2013 Tel +39-0522.08.88.11 - Fax UR,Ordini +39-0522.08.98.72 - Fax +39-0522.08.88.70 Sito Web: www.landinisca.com - E Mail: commerciale@landinisca.com - Uff.Estero: expert@landinis

3.2.10. Profile H28 made of Prepainted aluminium



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Soda: Via Eugeno Curial, 27/A-42024 CASTELNOVO SOTTO (Reggio Emila)- taly CCLAA.dHEn. 17306- Rig. Son. Tab. dHE n. 16141 Cod. Ha: e Pat. M. 0127640356



H28ALPR

DECLARATION OF PERFORMANCE (DOP)

Nº 24-G-EN

1. Unique identification code of the product-type: LAGRECA-H28ALPR (Prepainted aluminium)

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): H28ALPR

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

www.tartuiniapa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Pag. 1/2

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0.4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4.0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, if re- issued	levant)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed under sy (description of the third party tasks as set out in Annex V)	skem.

DoP_24-G-EN_H28ALPR.doc

Rev. 0 del 01/07/2013

Tel +39-0522.68.98.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.98.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com





Sede: Via Eugenio Curiei, 27/A- 42024 CASTELNOVO SOTTO (Reggio Emilia)- Italy C.C.LAA. di R.E.n. 173046-- Reg. Soc. Titl. di R.E.n. 16414 Cod. Rim. e Part. NA 01274640366

H28ALPR

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant) Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification	
Type of metal	Prepainted aluminium Alloy 3003/3103/3105 H46 - H48 Side 1: Polyester 18/20 µm - Side 2: primer 5/7 µm	UNI EN 508-2 - UNI EN 485-4 - UNI EN 573-3	
Nominal thickness	Minimum nominal thickness 0,6 mm – roofing application Minimum nominal thickness 0,4 mm – other application	UNI EN 14782 – UNI EN 485-4	
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H28/1021 with 8 pitches of 112 mm and net width of 896 mm H28/1127 with 9 pitches of 112 mm and net width of 1008 mm H28/1231 with 10 pitches of 112 mm and net width of 1120 mm		
	Dimensional tolerances	UNI EN 508-2 - UNI EN 485-4	
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 0,90 ml Thickness 6/10 mm 1,44 ml Thickness 7/10 mm 1,89 ml Thickness 8/10 mm 2,43 ml Thickness 10/10 mm 3,42 ml	Annex B UNI EN 14782	
Water permeability	Waterproof		
Vapour and air permeability	Air and vapour proof	8	
Dimensional change	Coefficient of aluminium thermal expansion - 23,6 x 10 ⁶ C ¹		
Durability	To be assessed in according to the use		
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)	
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a

DoP_24-G-EN_H28ALPR.doc

N_H28ALJPR.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landmispa.com - E-Mail: commerciale@landmispa.com - Uff.Estero: excent@landmispa

3.2.11. Profile H28 made of Natural aluzinc



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Soda: Via Eugeno Curial, 27/A-42024 CASTELNOVO SOTTO (Reggio Emila)- taly CCLAA.dHEn. 17306- Rig. Son. Tab. dHE n. 16141 Cod. Ha: e Pat. M. 0127640356



H28ALZN

DECLARATION OF PERFORMANCE (DOP)

Nº 25-G-EN

1. Unique identification code of the product-type: LAGRECA-H28ALZN (Natural aluzinc)

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): H28ALZN

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

www.iariainapa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Pag. 1/2

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0.4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4.0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body issued	y, if relevant)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed un (description of the third party tasks as set out in Annex V)	der system.

DoP_25-G-EN_H28ALZN.doc

Rev. 0 del 01/07/2013

Tel +39-0522.68.98.11 - Fax Uff.Ordini +39-0522.68.98.72 - Fax +39-0522.68.98.70 Sito Web: www.landmispa.com - E-Mail: commerciale@landmispa.com - Uff.Estero: export@landmispa.com





Sada: Via Eugenio Curial, 27/A.- 42024 CASTELNOVO SOTTO (Raggio Emilia).- Italy C.C.LAA. di RE.n. 173046 - Rag. Soc. Trib. di RE.n. 16414 Cod. Ran. e Part. NA 01274540366

H28ALZN

and issued.

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Natural aluzinc S250 GD AZ150 - AZ185	UNI EN 508-1 - UNI EN 10346
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 10346
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H28/1021 with 8 pitches of 112 mm and net width of 896 mm H28/1127 with 9 pitches of 112 mm and net width of 1008 mm H28/1231 with 10 pitches of 112 mm and net width of 1120 mm	
	Dimensional tolerances	UNI EN 508-1 - UNI EN 10346
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 2,16 ml Thickness 5/10 mm 2,88 ml Thickness 7/10 mm 3,60 ml Thickness 8/10 mm 4,41 ml Thickness 10/10 mm 5,85 ml	Annex B UNI EN 14782
Water permeability	Waterproof	
Vapour and air permeability	Air and vapour proof	2
Dimensional change	Coefficient of steel thermal expansion - 12 x 10° C ⁻¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a

Pag. 2/2

DoP_25-G-EN_H28ALZN.doc

Rev. 0 del 01/07/2013 CH2AL2N.00C Tel +39-0522.68.98.11 - Fax Uff.Ordini -39-0522.68.98.72 - Fax +39-0522.68.98.70 Sito Web: <u>www.landinisca.com</u> - E-Mail: <u>commerciale@landinisca.com</u> - Uff.Estero: <u>export@landinisc</u>

Profile H28 made of INOX 204 2B 3.2.12.



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Sada: Via Eugenio Curiei, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA, di R.E.n. 173045 - Rag. Soc. Trib. di R.E.n. 16414 Cod. Rim. e Part. WA 01274640366



H28INOX

DECLARATION OF PERFORMANCE (DOP)

Nº 26-G-EN

. Unique identification code of the product-type: LAGRECA-H28INOX (INOX) 1. Uni

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Anticle 11(4): H28INOX

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0,4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4,0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified hod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment issued	Body, if relevant)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed (description of the third party tasks as set out in Annex V)	under system.

DoP 26-G-EN H28INOX doc

Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landnisca.com - E Mail: commercial@ilandinisca.com - Uff.Estero: excort@land





Bada: Via Eugenio Curial, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.I.A.A. di R.E.n. 173045 - Rag, Soc. Trb. di R.E.n. 16414 Cod. Rat. o Part. NA 01274540256

H28INOX

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	INOX AISI 304 2B: X5 CrNi 18 10 + 2B - 1.4301 + 2B	UNI EN 508-3 - UNI EN 9445-2 UNI/EN 10088
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 9445-2
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H28/1021 with 8 pitches of 112 mm and net width of 896 mm	
	Dimensional tolerances	UNI EN 508-3 - UNI EN 9445-2
Water permeability	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 2,16 ml Thickness 6/10 mm 2,88 ml Thickness 8/10 mm 3,60 ml Thickness 8/10 mm 4,41 ml Waterproof	Annex B UNI EN 14782
Vapour and air permeability	Air and vapour proof	
Dimensional change	Coefficient of stainless steel thermal expansion 17 x 10 ⁶ C ¹	
Durability	To be assessed in according to the use	1
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

Pag. 2/2

DoP_26-C-EN_H28INOX.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito W eb: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com

Profile H40 made of Galvanized natural steel 3.2.13.



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Sada: Via Eugenio Curiei, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA, di R.E.n. 173045 - Rag. Soc. Trib. di R.E.n. 16414 Cod. Rim. e Part. WA 01274640366



H40ACZN

DECLARATION OF PERFORMANCE (DOP)

Nº 41-G-EN

. Unique identification code of the product-type: LAGRECA-H40ACZN (Galvarized natural steel) 1. Un

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Anticle 11(4): H40ACZN

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Pag. 1/2

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0,4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4,0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, it issued	f relevant)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed under (description of the third party tasks as set out in Annex V)	system.

DoP 41-G-EN H40ACZN.doc

Rev. 0.del 01/07/2013

Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff Estero: excort@land Sito Web: www.landinispa





Sada: Via Eugenio Curial, 27/A – 42024 CASTELNOVO SOTTO (Raggio Emilia) – Italy C.C.I.A.A. di Rien, 173046 – Rag, Soc. Tab. di Rien, 16414 Cod. Ras. o Part. NA 01274540256

H40ACZN

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Galvanized natural steel S250 GD Z 200	UNI EN 508-1 - UNI EN 10346
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 10346
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H40/1042 with 5 pitches of 196 mm and net width of 980 mm	
	Dimensional tolerances	UNI EN 508-1 - UNI EN 10346
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 1,80 ml Thickness 6/10 mm 2,34 ml Thickness 7/10 mm 2,88 ml Thickness 8/10 mm 3,42 ml Thickness 100 mm 4,41 ml	Annex B UNI EN 14782
Water permeability	Waterproof	5
Vapour and air permeability	Air and vapour proof	
Dimensional change	Coefficient of steel thermal expansion - 12 x 10 ⁻⁶ C ⁻¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a. NI

Pag. 2/2

DoP_41-G-EN_H40ACZN.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito W eb: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: expont@landinispa.com

Profile H40 made of Prepainted Galvanized steel 3.2.14.



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Sada: Via Eugenio Curiei, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA, di R.E.n. 173045 - Rag. Soc. Trib. di R.E.n. 16414 Cod. Rim. e Part. WA 01274640366



H40ACZP

DECLARATION OF PERFORMANCE (DOP)

Nº 42-G-EN

. Unique identification code of the product-type: LAGRECA-H40ACZP (Prepainted Galvanized steel)

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Anticle 11(4): H40ACZP

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

DoP 42-G-EN H40ACZP.doc

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Pag. 1/2

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0,4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4,0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assess issued	ment Body, if relevant)
(reference number of the European Technical Assessmen on the basis of,	
(reference number of the European Assessment Documer	
performed (description of the third party tasks as set out in Annex V	under system.

Rev. 0 del 01/07/2013

Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landnisca.com - E Mail: commercial@ilandinisca.com - Uff.Estero: excort@land





Sada: Via Eugenio Curial, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA. di RE.n. 173045 - Rag. Soc. Trb. di RE.n. 16414 Cod. Rat. o Part. NA 01274540256

H40ACZP

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Prepainted galvanized steel S250 GD Z150 Side 1: Polyester 18/20 µm - Side 2: primer 5/7 µm	UNI EN 508-1 - UNI EN 10346
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 10346
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H40/1042 with 5 pitches of 196 mm and net width of 980 mm	
	Dimensional tolerances	UNI EN 508-1 - UNI EN 10346
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 1,80 ml Thickness 5/10 mm 2,34 ml Thickness 7/10 mm 2,88 ml Thickness 8/10 mm 3,42 ml Thickness 10 mm 4,41 ml	Annex B UNI EN 14782
Water permeability	Waterproof	
Vapour and air permeability	Air and vapour proof	
Dimensional change	Coefficient of steel thermal expansion - 12 x 10 ⁶ C ⁻¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a. SIN

Pag. 2/2

DoP_42-G-EN_H40ACZP.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landiniapa.com - E-Mail: commerciale@landiniapa.com - Uff.Estero: export@landiniapa.com

3.2.15. Profile H40 made of Natural aluminium



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Soda: Via Eugeno Curial, 27/A-42024 CASTELNOVO SOTTO (Reggio Emila)- taly CCLAA.dHEn. 17306- Rig. Son. Tab. dHE n. 16141 Cod. Ha: e Pat. M. 0127640356



H49ALNA

Pag. 1/2

DECLARATION OF PERFORMANCE (DOP)

Nº 43-G-EN

1. Unique identification code of the product-type: LAGRECA-H40ALNA (Natural aluminium)

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): H40ALNA

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

www.iaruinapa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0.4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4.0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production control
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, issued	if ælevant)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed under (description of the third party tasks as set out in Annex V)	er system.

DoP_43-G-EN_H40ALNA.doc

Rev. 0 del 01/07/2013

Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landiniapa.com - E-Mail: commerciale@landiniapa.com - Uff.Estero: excert@landiniapa.com





Sada: Via Eugenio Curial, 27/A.- 42024 CASTELNOVO SOTTO (Raggio Emilia).- Italy C.C.LAA. di RE.n. 173046 - Rag. Soc. Trib. di RE.n. 16414 Cod. Ran. e Part. NA 01274540366

H49ALNA

and issued.

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Natural aluminium Alloy 3003/3103/3105 H16 - H18	UNI EN 508-2 - UNI EN 485-4 - UNI EN 573-3
Nominal thickness	Minimum nominal thickness 0,6 mm – roofing application Minimum nominal thickness 0,4 mm – other application	UNI EN 14782 - UNI EN 485-4
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H40/1042 with 5 pitches of 196 mm and net width of 980 mm	
	Dimensional tolerances	UNI EN 508-2 - UNI EN 485-4
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 0,54 ml Thickness 6/10 mm 0,81 ml Thickness 7/10 mm 1,08 ml Thickness 10/10 mm 1,89 ml	Annex B UNI EN 14782
Water permeability	Waterproof	
Vapour and air permeability	Air and vapour proof	6
Dimensional change	Coefficient of aluminium thermal expansion – 23,6 x 10 ⁶ C ¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

Pag. 2/2

DoP_43-G-EN_H40ALNA.doc

Rev. 0 del 01/07/2013 Tel + 39-0522.68.98.11 - Fax: Uff.Ordini - 39-052.68.98.72 - Fax: + 39-0522.68.98.70 Sito Web: <u>www.landinisca.com</u> - E-Mail: <u>commerciale@landinisca.com</u> - Uff.Estero: <u>export@landinisc</u>

Profile H40 made of Prepainted aluminium 3.2.16.



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Sada: Via Eugenio Curiei, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA, di R.E.n. 173045 - Rag. Soc. Trib. di R.E.n. 16414 Cod. Rim. e Part. WA 01274640366



H40ALPR

DECLARATION OF PERFORMANCE (DOP)

Nº 44-G-EN

. Unique identification code of the product-type: LAGRECA-H40ALPR (Prepainted aluminium) 1. Un

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Anticle 11(4): H40ALPR

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0,4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4,0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment	Body, if relevant)
issued	
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed (description of the third party tasks as set out in Annex V)	_ under system.

DoP 44-G-EN H40ALPR.doc

Sito Web: www.landinispa

Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff Estero: excort@land





Sada: Via Eugenio Curial, 27/A.- 42024 CASTELNOVO SOTTO (Raggio Emilia).- Italy C.C.LAA. di RE.n. 173046 - Rag. Soc. Trib. di RE.n. 16414 Cod. Ran. e Part. NA 01274540366

H40ALPR

and issued.

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Prepainted aluminium Alloy 3003/3103/3105 H46 - H48 Side 1: Polyester 18/20 µm - Side 2: primer 5/7 µm	UNI EN 508-2 - UNI EN 485-4 - UNI EN 573-3
Nominal thickness	Minimum nominal thickness 0,6 mm – roofing application Minimum nominal thickness 0,4 mm – other application	UNI EN 14782 – UNI EN 485-4
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H40/1042 with 5 pitches of 196 mm and net width of 980 mm	
	Dimensional tolerances	UNI EN 508-2 - UNI EN 485-4
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 0,54 ml Thickness 6/10 mm 0,81 ml Thickness 7/10 mm 1,08 ml Thickness 8/10 mm 1,35 ml Thickness 10/10 mm 1,89 ml	Annex B UNI EN 14782
Water permeability	Waterproof	
Vapour and air permeability	Air and vapour proof	8
Dimensional change	Coefficient of aluminium thermal expansion – 23,6 x 10 ⁶ C ¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.

DoP_44-G-EN_H40ALPR.doc

Rev. 0 del 01/07/2013 THE ASSOCIATION AND A AN

Profile H40 made of Natural aluzinc 3.2.17.



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Sada: Via Eugenio Curiei, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA, di R.E.n. 173045 - Rag. Soc. Trib. di R.E.n. 16414 Cod. Rim. e Part. WA 01274640366



H40ALZN

DECLARATION OF PERFORMANCE (DOP)

Nº 45-G-EN

. Unique identification code of the product-type: LAGRECA-H40ALZN (Natural aluzinc) 1. Un

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Anticle 11(4): H40ALZN

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0,4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4,0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, if re- issued	levant)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed under sy (description of the third party tasks as set out in Annex V)	stem.

DoP_45-G-EN_H40ALZN.doc

Sito Web: www.landnispa

Rev 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff Estero: excort@land





Sada: Via Eugenio Curial, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA. di RE.n. 173045 - Rag. Soc. Trb. di RE.n. 16414 Cod. Rab. o Part. NA 01274540356

H40ALZN

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Natural aluzinc S250 GD AZ150 - AZ185	UNI EN 508-1 - UNI EN 10346
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 10346
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H40/1042 with 5 pitches of 196 mm and net width of 980 mm	
	Dimensional tolerances	UNI EN 508-1 - UNI EN 10346
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 1,80 ml Thickness 6/10 mm 2,34 ml Thickness 7/10 mm 2,88 ml Thickness 8/10 mm 3,42 ml Thickness 10/10 mm 4,41 ml	Annex B UNI EN 14782
Water permeability	Waterproof	-
Vapour and air permeability	Air and vapour proof	
Dimensional change	Coefficient of steel thermal expansion – 12 x 10 ⁻⁶ C ⁻¹	Ċ.
Durability	To be assessed in according to the use	<i>).</i>
Reaction to fire	A1 - (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

Pag. 2/2

DoP_45-G-EN_H40ALZN.doc Rev. 0 det 01/07/2013 Tel +39-0522.68.98.11 - Fax Uff.Ordini +39-0522.68.98.72 - Fax +39-0522.68.98.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com

Profile H40 made of INOX 204 2B 3.2.18.



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Sada: Via Eugenio Curiei, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA, di R.E.n. 173045 - Rag. Soc. Trib. di R.E.n. 16414 Cod. Rim. e Part. WA 01274640366



H40INOX

DECLARATION OF PERFORMANCE (DOP)

Nº 46-G-EN

. Unique identification code of the product-type: LAGRECA-H40INOX (INOX) 1. Uni

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Anticle 11(4): H40INOX

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0,4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4,0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment issued	Body, if relevant)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed (description of the third party tasks as set out in Annex V)	_ under system.

Pag. 1/2

DoP 46-G-EN H40INOX doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landmisca.com - E Mail: commercial@ilandmisca.com - Uff.Estero: excort@land





Bada: Via Eugenio Curial, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.I.A.A. di R.E.n. 173045 - Rag, Soc. Trb. di R.E.n. 16414 Cod. Rat. o Part. NA 01274540256

H40INOX

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	INOX AISI 304 2B: X5 CrNi 18 10 + 2B - 1.4301 + 2B	UNI EN 508-3 - UNI EN 9445-2 UNI/EN 10088
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 9445-2
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H40/1042 with 5 pitches of 196 mm and net width of 980 mm	
	Dimensional tolerances	UNI EN 508-3 - UNI EN 9445-2
Water permeability	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 1,80 ml Thickness 5/10 mm 2,34 ml Thickness 7/10 mm 2,88 ml Thickness 8/10 mm 3,42 ml Waterproof Materproof	Annex B UNI EN 14782
Vapour and air permeability	Air and vapour proof	1
Dimensional change	Coefficient of stainless steel thermal expansion 17 x 10 ⁶ C ¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a. QAN

Pag. 2/2

DoP_46-C-EN_H40INOX.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito W eb: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com

Profile H40N made of Galvanized natural steel 3.2.19.



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati



Sada: Via Eugenio Curiei, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA, di R.E.n. 173045 - Rag. Soc. Trib. di R.E.n. 16414 Cod. Rim. e Part. WA 01274640366

H40NA CZN

DECLARATION OF PERFORMANCE (DOP)

Nº 61-G-EN

. Unique identification code of the product-type: LAGRECA-H40NACZN (Galvanized natural steel) 1. Un

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Anticle 11(4): H40NACZN

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0,4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4,0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified bod under system	이는 것을 많은 것을 가장에 가장에서 한 것을 알았는 것을 갖추는 것을
and issued test/calculation reports -		of constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment B issued	ody, if relevant)
(reference number of the European Technical Assessment) on the basis of,	1
(reference number of the European Assessment Document)	
performed (description of the third party tasks as set out in Annex V)	under system.

DoP 61-G-EN H40NACZN.doc

Sito Web: www.landinispa

Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 yww.landinisca.com - E-Mail: commerciale@landinisca.com - Uff.Estero: excort@land





Bada: Via Eugenio Curial, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.I.A.A. di R.E.n. 173045 - Rag, Soc. Trb. di R.E.n. 16414 Cod. Rat. o Part. NA 01274540256

HADNACZN

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Galvanized natural steel S250 GD Z 200	UNI EN 508-1 - UNI EN 10346
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 10346
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H40/1047 with 4 pitches of 250 mm and net width of 1000 mm	
	Dimensional tolerances	UNI EN 508-1 - UNI EN 10346
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 2,07 ml Thickness 6/10 mm 2,61 ml Thickness 7/10 mm 3,15 ml Thickness 8/10 mm 3,60 ml Thickness 100 mm 3,60 ml	Annex B UNI EN 14782
Water permeability	Waterproof	5
Vapour and air permeability	Air and vapour proof	
Dimensional change	Coefficient of steel thermal expansion - 12 x 10 ⁻⁶ C ⁻¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

 DoP_61-G-EN_H40NACZN.doc
 Rev. 0 del 01/07/2013

 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.70
 Sito W eb: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: expont@landinispa.com

3.2.20. Profile H40N made of in Prepainted Galvanized steel



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati





H40NA CZP

DECLARATION OF PERFORMANCE (DOP)

Nº 62-G-EN

 Unique identification code of the product-type: LAGRECA-H40NACZP (Prepainted Galvanized steel)

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): H40NACZP

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

www.iaitumapa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0.4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4.0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

performed	n number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports		f constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, if released	evani)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performedunder sys (description of the third party tasks as set out in Annex V)	kem.

DoP_62-G-EN_H40NACZP.doc

Sito Web: www.landinispa

ZP.doc Rev. 0 del 01/07/2013 Tel +39-0522.68.98.11 - Fax Uff.Ordini +39-0522.68.98.72 - Fax +39-0522.68.98.70 www.landmispa.com - E-Mail: commerciale@landmispa.com - Uff.Extero: expert@land





Sada: Via Eugenio Curial, 27/A – 42024 CASTELNOVO SOTTO (Reggio Emilia) – Italy C.C.LAA. di REn. 173045 – Reg. Soc. Tab. di REn. 16414 Cod. Rub. e Part. NA 01274540356

HANACZP

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as nelevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Prepainted galvanized steel S250 GD Z150 Side 1: Polyester 18/20 µm - Side 2: primer 5/7 µm	UNI EN 508-1 - UNI EN 10346
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 10346
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H40/1047 with 4 pitches of 250 mm and net width of 1000 mm	
	Dimensional tolerances	UNI EN 508-1 - UNI EN 10346
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 2,07 ml Thickness 5/10 mm 2,61 ml Thickness 7/10 mm 3,15 ml Thickness 8/10 mm 3,60 ml Thickness 10/10 mm 4,59 ml	Annex B UNI EN 14782
Water permeability	Waterproof	ś
Vapour and air permeability	Air and vapour proof	
Dimensional change	Coefficient of steel thermal expansion – 12 x 10 ⁻⁶ C ⁻¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

DoP_62-G-EN_H40NACZP.doc Rev. 0 det 01/07/2013 Tel +39-0522.88.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com

Profile H40N made of Natural aluminium 3.2.21.



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati



Sada: Via Eugenio Curiei, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA, di R.E.n. 173045 - Rag. Soc. Trib. di R.E.n. 16414 Cod. Rim. e Part. WA 01274640366

H40NALNA

DECLARATION OF PERFORMANCE (DOP)

Nº 63-G-EN

. Unique identification code of the product-type: LAGRECA-H40NALNA (Natural aluminium) 1. Un

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Anticle 11(4): H40NALNA

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0,4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4,0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	n number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports		f constancy of performance, certificate of conformity of the factory production contro
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessmen	t Body, if relevant)
issued	
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed (description of the third party tasks as set out in Annex V)	under system.

DoP 63-G-EN H40NALNA.doc

Sito Web: www.landnispa

Rev. 0 del 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 yww.landinisca.com - E-Mail: commerciale@landinisca.com - Uff.Estero: excort@land





Sada: Via Eugenio Curial, 27/A.- 42024 CASTELNOVO SOTTO (Raggio Emilia).- Italy C.C.LAA. di RE.n. 173046 - Rag. Soc. Trib. di RE.n. 16414 Cod. Ran. e Part. NA 01274540366

H40NALNA

and issued.

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Natural aluminium Alloy 3003/3103/3105 H16 - H18	UNI EN 508-2 - UNI EN 485-4 - UNI EN 573-3
Nominal thickness	Minimum nominal thickness 0,6 mm – roofing application Minimum nominal thickness 0,4 mm – other application	UNI EN 14782 - UNI EN 485-4
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H40/1047 with 4 pitches of 250 mm and net width of 1000 mm	
	Dimensional tolerances	UNI EN 508-2 - UNI EN 485-4
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 0,63 ml Thickness 6/10 mm 0,90 ml Thickness 7/10 mm 1,26 ml Thickness 8/10 mm 1,53 ml Thickness 8/10 mm 1,58 ml	Annex B UNI EN 14782
Water permeability	Waterproof	
Vapour and air permeability	Air and vapour proof	8
Dimensional change	Coefficient of aluminium thermal expansion – 23,6 x 10 ⁶ C ¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

Pag. 2/2

DoP_63-G-EN_H40NALNA.doc

Rev. 0 del 01/07/2013 THUNALLINA.doc Rev. 0 del 00/2013 Tel +39-0522.68.98.11 - Fax Uff.Ordini -39-0522.68.98.72 - Fax +39-0522.68.98.70 Sito Web: www.landinisca.com - E-Mail: commerciale@landinisca.com - Uff.Estero: excert@landinisc

3.2.22. Profile H40N made of Prepainted aluminium



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Soda: Via Eugeno Curial, 27/A-42024 CASTELNOVO SOTTO (Reggio Emila)- taly CCLAA.dHEn. 17306- Rig. Son. Tab. dHE n. 16141 Cod. Ha: e Pat. M. 0127640356



16414 COOL HIEL @ Part. MA 01274640396

HAONALPR

DECLARATION OF PERFORMANCE (DOP)

Nº 64-G-EN

1. Unique identification code of the product-type: LAGRECA-H40NALPR (Prepainted aluminium)

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): H40NALPR

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

www.ianainiapa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0.4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4.0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

performed	number of the notified hod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production control,
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment Body, issued	if ælevant)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed under (description of the third party tasks as set out in Annex V)	er system.

DoP_64-G-EN_H40NALPR.doc

Site Web; www.landinispa

PR.doc Rev. 0 det 01/07/2013 Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@land





Sada: Via Eugenio Curial, 27/A.- 42024 CASTELNOVO SOTTO (Raggio Emilia).- Italy C.C.LAA. di RE.n. 173046 - Rag. Soc. Trib. di RE.n. 16414 Cod. Ran. e Part. NA 01274540366

H40NALPR

and issued.

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Prepainted aluminium Alloy 3003/3103/3105 H46 - H48 Side 1: Polyester 18/20 µm - Side 2: primer 5/7 µm	UNI EN 508-2 - UNI EN 485-4 - UNI EN 573-3
Nominal thickness	Minimum nominal thickness 0,6 mm – roofing application Minimum nominal thickness 0,4 mm – other application	UNI EN 14782 – UNI EN 485-4
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H40/1047 with 4 pitches of 250 mm and net width of 1000 mm	
	Dimensional tolerances	UNI EN 508-2 - UNI EN 485-4
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 0,63 ml Thickness 6/10 mm 0,90 ml Thickness 7/10 mm 1,26 ml Thickness 8/10 mm 1,89 ml	Annex B UNI EN 14782
Water permeability	Waterproof	
Vapour and air permeability	Air and vapour proof	8
Dimensional change	Coefficient of aluminium thermal expansion - 23,6 x 10 ⁶ C ¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

DoP_64-G-EN_H40NALPR.doc

Rev. 0 del 01/07/2013 Tel +39-0522.68.98.11 - Fax Uff.Ordini -39-0522.68.98.72 - Fax +39-0522.68.98.70 Sito Web: www.landinisca.com - E-Mail: commerciale@landinisca.com - Uff.Estero: excort@landinisc

3.2.23. Profile H40N made of Natural aluzinc



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Soda: Via Eugeno Curial, 27/A-42024 CASTELNOVO SOTTO (Reggio Emila)- taly CCLAA.dHEn. 17306- Rig. Son. Tab. dHE n. 16141 Cod. Ha: e Pat. M. 0127640356



H40NALZN

Pag. 1/2

DECLARATION OF PERFORMANCE (DOP)

Nº 65-G-EN

1. Unique identification code of the product-type: LAGRECA-H40NALZN (Natural aluzinc)

 Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): H40NALZN

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

www.iaikainapa.com

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0.4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4.0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

(name and identification no performedt	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports - as	f constancy of performance, certificate of conformity of the factory production control,
Not Applicable	

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical Assessment B issued	lody, if relevant)
(reference number of the European Technical Assessment) on the basis of,	
(reference number of the European Assessment Document)	
performed (description of the third party tasks as set out in Annex V)	under system.

DoP_65-G-EN_H40NALZN.doc

Rev. 0 del 01/07/2013

Tel +39-0522.68.98.11 - Fax Uff.Ordini +39-0522.68.98.72 - Fax +39-0522.68.98.70 Sito Web: www.landinisza.com - E-Mail: commerciale@landinisza.com - Uff.Estero: export@landinisza.com





Sada: Via Eugenio Curial, 27/A - 42024 CASTELNOVO SOTTO (Reggio Emilia) -- Italy C.C.I.A.A. di Fien, 173046 -- Reg. Soc. Tab. di Fien, 16414 Cod. Rat. e Part. NA 01274640366

H40NALZN

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	Natural aluzinc S250 GD AZ 150 – AZ185	UNI EN 508-1 - UNI EN 10346
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 10346
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H40/1047 with 4 pitches of 250 mm and net width of 1000 mm	
	Dimensional tolerances	UNI EN 508-1 - UNI EN 10346
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 2,07 ml Thickness 6/10 mm 2,61 ml Thickness 7/10 mm 3,15 ml Thickness 8/10 mm 3,60 ml Thickness 10/10 mm 4,59 ml	Annex B UNI EN 14782
Water permeability	Waterproof	
Vapour and air permeability	Air and vapour proof	
Dimensional change	Coefficient of steel thermal expansion - 12 x 10 ⁻⁶ C ⁻¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a.

Pag. 2/2

 DoP_65-G-EN_H40NALZN.doc
 Rev. 0 del 01/07/2013

 Tel +39-0522.68.98.11 - Fax Uff.Ordini +39-0522.68.98.72 - Fax +39-0522.68.98.70

 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com

Profile H40N made of INOX 204 2B 3.2.24.



Coperture in fibrocemento e metalliche Camini e condotti in acciaio inox Contenitori in polietilene per trattamento acque Canali grigliati Sada: Via Eugenio Curiei, 27/A - 42024 CASTELNOVO SOTTO (Raggio Emilia) - Italy C.C.LAA, di R.E.n. 173045 - Rag. Soc. Trib. di R.E.n. 16414 Cod. Rim. e Part. WA 01274640366



H40NINOX

Pag. 1/2

DECLARATION OF PERFORMANCE (DOP)

Nº 66-G-EN

. Unique identification code of the product-type: LAGRECA-H40NINOX (INOX) 1. Un

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Anticle 11(4): H40NINOX

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the

"Self-supporting metal roof sheets and tiles - Intended use: Roof coverings" Tab ZA. 2 - EN 14782

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): LANDINI s.p.a. di Landini Cav. Mirco - Via Eugenio Curiel, 27/A - Castelnovo di Sotto (RE) Tel. 0522 / 688811 - Fax 0522 / 688870 commerciale@landinispa.com www.landinispa.com

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: External roofs with different use than those listed below 4

External roofs subject to reaction to fire regulations

3 (A1...E) 4 (F)

With reference to the UNI EN 14782 regulation, we noted that the metallic materials with non-organic coating or with polyester coating having a maximum nominal thickness of 25 µm and a PCS up to 1 MJ/m2 (included) or a mass ≤ 70 g/m2 are considered to satisfy the requirements for reaction to fire performance Class A1 without further testing in accordance with the relevant Commission Decision

External roofs subject to external fire performance regulations

3 (if must satisfy EN 13501)

Products covered by this European Standard are considered "deemed to satisfy without the need for testing" in relation to the requirements for external fire performance provided that they meet the definitions given in Commission Decision 2000/553/EC, i.e. flat or profiled metal sheets of nominal thickness ≥ 0,4 mm with any external coating which is inorganic or has a gross calorific value, PCS ≤ 4,0 MJ/m2 or a mass ≤ 200 g/m2.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

performed	number of the notified bod under system	(description of the third party tasks as set out in Annex V)
and issued test/calculation reports -		f constancy of performance, certificate of conformity of the factory production contro
Not Applicable		

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

(name and identification number of the Technical As	sessment Body, if relevant)
issued	and the second sec
(reference number of the European Technical Assess on the basis of,	
(reference number of the European Assessment Doct	
performed	under system.
(description of the third party tasks as set out in Ann	ex V)

DoP 66-G-EN H40NINOX.doc

Rev 0 del 01/07/2013

Tel +39-0522.68.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 yww.landinisca.com - E-Mail: commerciale@landinisca.com - Uff.Estero: excort@land Site Web; www.landinispa





Sada: Via Eugenio Curial, 27/A- 42024 CASTELNOVO SOTTO (Reggio Emilia)- Italy C.C.I.A.A. di R.E.n. 173046- Rig; Soc. Tab. di R.E.n. 16414 Cod. Ras. e Part. NA 01274540356

H40NINOX

and issued

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports - as relevant)

Not Applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Type of metal	INOX AISI 304 2B: X5 CrNi 18 10 + 2B - 1.4301 + 2B	UNI EN 508-3 - UNI EN 9445-2 UNI/EN 10088
Nominal thickness	Minimum nominal thickness 0,4 mm Class 1	UNI EN 14782 - UNI EN 9445-2
Mechanical resistance	Geometry of the product cross-section (ref. current catalogue) H40/1047 with 4 pitches of 250 mm and net width of 1000 mm	
	Dimensional tolerances	UNI EN 508-3 - UNI EN 9445-2
	Resistance of roofing materials to concentrated forces. It represents the maximum span to which the sheet withstands without global collapse at the indicated load and applied in accordance with the regulation Thickness 5/10 mm 2,07 ml Thickness 6/10 mm 2,61 ml Thickness 8/10 mm 3,15 ml Thickness 8/10 mm 3,60 ml Waterproof Waterproof	Annex B UNI EN 14782
Vapour and air permeability	Air and vapour proof	
Dimensional change	Coefficient of stainless steel thermal expansion 17 x 10 ⁶ C ¹	
Durability	To be assessed in according to the use	
Reaction to fire	A1 – (CWFT)	UNI EN 13501-1 UNI EN 14782 (5.2)
External fire performance	"deemed to satisfy without the need for testing"	UNI EN 13501-5 UNI EN 14782 (5.1)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by

Cav. Mirco Landini - Director

Castelnovo Sotto 01/07/2013

Landini s.p.a. QMY.

DoP_66-CI-EN_H40NINOX.doc Rev. 0 del 01/07/2013 Tel +39-0522.88.88.11 - Fax Uff.Ordini +39-0522.68.88.72 - Fax +39-0522.68.88.70 Sito Web: www.landinispa.com - E-Mail: commerciale@landinispa.com - Uff.Estero: export@landinispa.com