

KOMO[®]
product certificate

| | | | |
|-------------|------------|----------|--------|
| Number | K91145/01 | Replaces | |
| Issued | 2016-04-01 | Dated | |
| Valid until | Indefinite | Page | 1 of 2 |

eIZinc[®] Natural, eIZinc Slate[®], eIZinc Graphite[®], eIZinc Rainbow[®]

Asturiana de Laminados S.A.

STATEMENT BY KIWA

This product certificate is issued on the basis of BRL 2034 "Bladzink" date 09-07-2012 on by Kiwa, in accordance with the Kiwa Regulations for Product Certification.

Kiwa declares that legitimate confidence exists that the by the producer manufactured zinc sheets comply with the technical specifications as laid down in this product certificate, provided that zinc sheets have been marked with the KOMO[®]-mark in the manner as indicated in this product certificate.



Luc Leroy

The certificate is listed in the overview on the website of Stichting KOMO: www.komo.nl.
Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

Holder of Certificate
Asturiana de Laminados S.A.
P.I. de Olloniego
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33695 VILLALLANA. Lena
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0034 985 49 32 02

Kiwa Nederland B.V.
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The Netherlands

Tel. +31 88 998 44 00
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Evaluated is:
quality system
product
Periodic inspection

eIZinc[®] Natural, eIZinc Slate[®], eIZinc Graphite[®], eIZinc Rainbow[®]

TECHNICAL SPECIFICATION

Subject

Rollled titanium zinc sheets, strokes and rolls conform to the requirements as described in NEN-EN 988 and BRL 2034 for the material thickness of 0,60 to 1,10 mm.

Product

Zinc sheets comply to the requirements in BRL 2034 and therefore also comply to NEN-EN 988 "Zinc and zinc alloys, Specifications for rolled flat products for building."

Minimum requirements and tolerances

| | |
|-----------------------------|--|
| - Length; | max + 10 mm |
| - Width; | max + 2 mm |
| - Thickness; | 0.60 – 1.10 mm +/- 0.03mm |
| - Lateral curvature; | max + 1,5 mm/m ¹ |
| - Flatness; | max + 2 mm |
| - Tensile strength; | N/mm ² min. 150 |
| - Elongation after bending; | A50 min. 35% |
| - 0.2% yield; | R _{po,2} N/mm ² min. 100 |
| - Creep Test; | max 0,1% |
| - Bend test; | no cracks on the fold |
| - Zinc Analysis; | Zinc concentration minimal 99.995% |

| Cu | Ti | Al | Zn ¹⁾ |
|---------------------|---------------------|----------------|------------------|
| Min 0,08 Max 1,0 | Min 0,06 Max 0,2 | - Max 0,015 | Rest |

Marks

The following marks and indications must be proper and clear on each product:



- The KOMO[®]-mark
- The certificate number K91145
- As stated in NEN-EN 988 under 9.1;

INFORMATION FOR USER

At delivery inspect if:

- the products delivered are in consistency with the products ordered
- markings and if method of marking is correct;
- the products do not show any visible deficiency due to transport etc.

If this forms the basis for refusal of the products please contact:

- Asturiana de Laminados S.A.

and if necessary:

- Kiwa Nederland B.V.

For the correct way of storage, transport and use of the product please consult the product manual as provided by the manufacturer.

LIST OF DOCUMENTS

| | |
|-------------|------|
| NEN-EN 988; | 1996 |
| EN 14782; | 2006 |
| EN 14783; | 2006 |

* For the correct versions of the named standards, please consult BRL 2034

* The Dutch version of this certificate is always leading, please check www.komo.nl. To see if the certificate is still valid.