



**KOMO®**  
**Product certificate**  
**K74662/02**



Issued	2019-11-01	Replaces	K74662/01
Valid until	Indefinite	Dated	2013-01-15
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**Titanium zinc**  
 Product types: Verozinc Nature, Verozinc Prestige

**Industrias Electroquímicas S.A.**

STATEMENT BY KIWA

This product certificate is based on Assessment Directive 2034 "Bladzink" dated 9 July 2012 inclusive amendment sheet dated 31 December 2014, issued according to the Kiwa-Regulation for Certification.

The quality system and the product characteristics forming part of titanium zinc are checked periodically. Based on this, **Kiwa declares that:**

There is legitimate confidence that upon delivery, the titanium zinc manufactured by the producer Industrias Electroquímicas S.A. (IEQSA) meets the requirements:

- of the technical specifications laid down in this product certificate;
- of the product requirements laid down both in this product certificate and in the Assessment Directive.

Provided the delivery documents are accompanied by the KOMO® quality mark in the manner set out in this product certificate.

The essential characteristics, as laid down in the applicable European standard, and the corresponding checks on the quality system of these characteristics do not form part of this declaration.

Ronald Karel  
 Kiwa

*This product certificate is also included in the overview on the KOMO foundation website: [www.komo.nl](http://www.komo.nl).*

*Users of this product certificate are advised to check whether it is still valid, for this purpose consult the website of Kiwa: [www.kiwa.nl](http://www.kiwa.nl).*

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**Assessed is:**

- Quality system
- Product

Periodic control

Titanium zinc

**TECHNICAL SPECIFICATION**

This product certificate relates to titanium zinc produced by Industrias Electroquímicas S.A. (IEQSA) and to the associated product characteristics.

The following products are covered by this product certificate:

- Verozinc Nature
- Verozinc Prestige

**QUALITY MARK AND INDICATIONS PLACED ON THE PRODUCTS**

The products are marked by means of:

- the KOMO® indication or the KOMO® quality mark followed by the certificate number. The official KOMO quality mark is shown and executed as follows:



- factory brand or factory name;
- production code or production date;
- as stated in NEN-EN 988 under 9.1.

**PRODUCT CHARACTERISTICS**

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.”

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.

The table below includes the values of the product characteristics that form part of this product certification. These comply with the values specified in the table.

**Table 1 - Titanium zinc**

Characteristic	Requirement	Value
Length	max. +10 mm	max +10 mm
Width	max. +2 mm	max +2 mm
Thickness	0.60 – 1.10 mm +/- 0.03 mm	0.60 – 1.10 mm +/- 0.03 mm
Lateral curvature	max. + 1,5 mm/m <sup>1</sup>	max + 1,5 mm/m <sup>1</sup>
Flatness	max. + 2 mm	max + 2 mm
Tensile strength	R <sub>m</sub> min. 150 N/mm <sup>2</sup>	N/mm <sup>2</sup> min. 150
Elongation after bending	A <sub>50</sub> mm min. 35%	A50 min. 35%
0.2% yield	R <sub>p0,2</sub> min. 100 N/mm <sup>2</sup>	R <sub>p0,2</sub> N/mm <sup>2</sup> min. 100
Creep Test	max. 0,1%	max 0,1%
Bend test	no cracks on the fold	no cracks on the fold
Zinc analysis	Zinc concentration min. 99,995%	Zinc concentration minimal 99.995%

Cu	Ti	Al	Zn <sup>1)</sup>
min. 0,08 max. 1,0	min. 0,06 max. 0,2	- max. 0,015	Rest

**TIPS FOR THE USER**

Check on delivery of the products listed under the “technical specification” whether:

- The product(s) and material(s) ordered are delivered in accordance with the agreement you made.
- The brand and the method of marking is correct
- No defects or damage is visible (for example, resulting from the transportation).

In the context of this product certificate, no checks take place on the accuracy of the performance of the essential characteristics.

The statements in this product certificate may not be used to replace the CE marking and/or the corresponding obligatory Declaration of Performance.



## Titanium zinc

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If on the basis of the foregoing you decide to proceed to rejection, please contact

- Industrias Electroquímicas S.A.

And if necessary,

- Kiwa Nederland B.V.

Carry out the storage, transport and processing in accordance with the the documents of the certificate holder.

### **DOCUMENT LIST**

NEN-EN 988; 1996

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

