DECLARATION OF PERFORMANCE

According to Annex III of the Regulation (EU) No. 305/2011

ZLA (Zinc Layer Anode)
No.: 100

1. Unique or standardized identification code of the product:

- ISO 12696:2011 § 6.2.6.2 : Adhesive zinc-sheet anode
- Registered EU Trademark nr. (EUIPO) : 017322843

2.Batch or serial number of the product as required to Article 11(4):

- Batch number : Sticker inside the 6" carton core of each ZLA roll

3. Intended use of the product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

- Surface applied galvanic anode system used to provide cathodic protection to atmospherically exposed reinforced concrete structures, in line with 1504 Part 9 Principle 10 (cathodic protection by applying an electrochemical potential) and provides benefits in line with Principal 7 (preserving or restoring passivity) of the embedded reinforcement.

- The Zinc Layer Anode system provides barrier control to moisture and oxygen ingress into the concrete surfaces which provides benefits in line with 1504 Part 9 Principle 8 (increasing resistivity by limiting moisture content to the surfaces) and Principal 9 (cathodic control by limiting oxygen content at the cathode by surface coatings).

4. Name, registered trade name or registered trademark and contact address of the manufacturer as required to Article 11(5):

CorrPRE - Special anodes manufacturing BV
Zuidbaan 509
2841MD Moordrecht
Netherlands

5. Systems of assessment and verification of consistency of performance of the product as set out in Annex V:

- System 4

6. In case of the declaration of performance concerning a product covered by a harmonized standard:

- ISO 12696:2011 §8.6
- EN 1504-9 Principle 7 Method 7.3
- EN 1504-9 Principle 7 Method 7.5
- EN 1504-9 Principle 8 Method 8.1
- EN 1504-9 Principle 9 Method 9.1
- EN 1504-9 Principle 10 Method 10.1

7. The declaration of performance concerning a product for which a European Technical Assessment has been issued:

- RILEM Technical Letters 3 (2018) : 59-65.
  - DOI: http://dx.doi.org/10.21809/rilemtechlett.2018.68

- A comprehensive study of the spatial distribution of the galvanic protection current supplied by zinc layer anodes applied to steel-reinforced concrete structures.
  - Corrosion Science 158 (2019) 108108

8. Declared performance:

BASIC CHARACTERISTICS	PERFORMANCE	HARMONISED TECHN. SPEC.
Performance criteria	a) Instant off more negative than -720 mV Ag/AgCl 0,5M KCl. b) Instant off decay ≥ 100mV within a 24h period. c) Instant off decay ≥ 150mV for periods greater than 24hrs.	ISO 12696:2011 • Provided that §4.2 is respected • Critera as per §8.6 a, b or c • Reference to §8.5 NOTE 2 and §8.6 NOTE 8, NOTE 10.
Anode current output	a) Open circuit potential of ZLA ≥ 1000mV Ag/AgCl 0,5M KCl. b) Anode current > 1 mA/m^2 of ZLA	EN 1504-9 Principle 10 Method 10.1
OH^- formation at steel	max. 0.0373 mmol OH^- / mA	EN 1504-9 Principle 7, Method 7.3 & 7.5
Increasing Resistivity	Limiting moisture content by surface treatments, coatings or sheltering	EN 1504-9 Principle 8 Method 8.1
Control of Anodic areas	Limiting oxygen content (at the cathode) by surface coating	EN 1504-9 Principle 9 Method 9.1

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. 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:

Moordrecht, 21.04.2021

Ir. Roberto Giorgini (CEO)