corrPRE
Special Anodes Manufacturing

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Technical Data Sheet

GALVEX GX 60 & GX 100 hybrid

Embedded Galvanic Anode for
Steel in Concrete 'Corrosion Control'

Description

Hybrid activated zinc sacrificial anodes imbedded in an ion-conductive auto moistening paste pre-embedded in a conductive silicate based mortar, for cathodic protection of reinforced concrete structures.

The anodes are used for the protection of reinforced structures which are newly built or need to be repaired.

Typical features

Typical corrosion defined as galvanic corrosion occurs when two different types of metal are in contact with each other and surrounded totally or partially by an electrolyte.

The metal with the most negative electrochemical potential will corrode or sacrifice itself to protect the other metal with a more positive electrochemical potential. In a similar way, the Galvex hybrid anodes will corrode sacrificially, thereby helping to protect the reinforcing steel and other electrically connected reinforcement within the structure.

Each anode will create an extended electric field around itself within the electrolyte which is called "throwing power" which is the protecting zone of the anode.

Applications

These anodes are utilized in those areas with an elevated corrosion risk. They help reduce corrosion activity and limit the development of new corrosion sites.

Due to the simple and rapid installation, costs can be reduced to a minimum. The eventual driving force between Galvex anodes and the steel reinforcement guarantees a long and corrosion-inhibited service life of the structure.

Features of application

- used in combination with concrete patch repair
- suitable for bridge decks, beam supports and columns
- applied to zones of newly cast concrete bonded to existing structures
- ideal for balcony facings and concrete façades
- applicable for concrete slabs
- compatible with all types of precast concrete constructions

The **Galvex** hybrid anodes are based on a composition of a multi-layered zinc core coated with a patented ion-conductive self-moistening overlay paste keeping the anodes active during their entire service life and subsequently pre-embedded in a conductive "hybrid" silicate based mortar.

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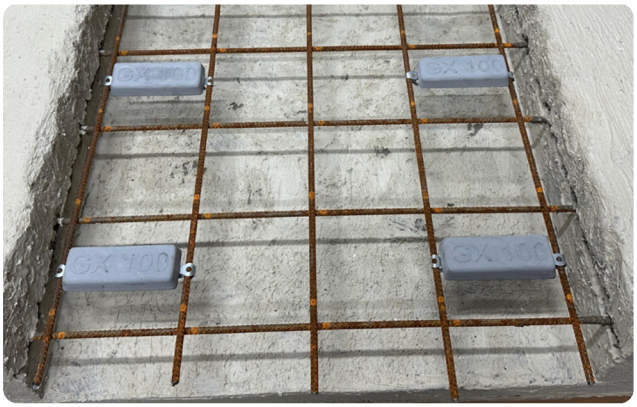
GALVEX	GX 60	GX 100
DIMENSIONS	130 X 50 X 14 MM	130 X 50 X 20 MM
GROSS WEIGHT	220 G	300 G
ZINC WEIGHT	60 G	100 G
STORAGE CONDITIONS	< 30°C / < 65% RH	< 30°C / < 65% RH
TARIFF NR.	7905 00 00	7905 00 00
UNIT PACKAGING	20PC 20 X 14 X 14 CM 4.6 KG	20PC 20 X 14 X 14 CM 6.25 KG

The information provided above corresponds to our best knowledge and experience but are approximate indications. However due to variations of the environmental conditions instructions should always be checked with our specialists to minimize performance failures.



All technical data stated in this Technical Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. The information, and, in particular, the recommendations relating to the application and end-use of CorrPRE's products, are given in good faith based on CorrPRE's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with CorrPRE's recommendations.

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