

Technical Data Sheet

Galvex® DI 60 & 100 Hybrid

Zinc sacrificial anodes for corrosion control of steel in concrete.

Description

Hybrid activated zinc sacrificial anodes imbedded in an ion-conductive auto moistening coating 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 need cathodic protection.

Features of applications:

- Specifically designed for application in pre-drilled holes
- Can be secured in pre-drilled holes with a standard repair mortar
- In combination with concrete patch repair
- Concrete slabs
- Floorings
- Bridge decks or beam supports and columns
- Balcony facings and concrete facades

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.

Applications

These anodes are utilized in those areas where high expectancy of corrosion is ascertained. They guarantee a strong reduction of corrosion currents and preventing new locations with initiation of corrosion.

Thanks to the ease and quickness of the installation, costs can be reduced to a minimum. The eventual driving force between those anodes and the steel reinforcement guarantees a long and corrosion-inhibited service life of the structure.



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 and sacrificing themselves protecting the steel or reinforcing structure being attached to it.

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.



Technical Data

Galvex	DI 60 Hybrid	DI 100 Hybrid
Dimensions	φ35 x 130mm	φ35 x 130mm
Gross weight	230g	270g
Zinc weight	60g	100g
Stock conditions	< 30°C / < 65% RH	< 30°C / < 65% RH
Tariff nr.	7905 00 00	7905 00 00
Unit packaging	Pcs 20	Pcs 20

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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.