corrPRE
Special Anodes Manufacturing

Technical Data Sheet

Galvex 60 & 100 Hybrid

Embedded Galvanic Anode for Steel in Concrete

'Corrosion Control'

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 are newly build or need to be repaired.

Features of application:

- in combination with concrete patch repair.
- bridge deck or beam supports and columns.
- zones of newly casted concrete adhered onto an existing structure.
- balcony facings and concrete facades.
- concrete slabs.
- all type of prefab 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.

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 Galvex 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	60 Hybrid	100 Hybrid
Dimensies	130 x 50 x 14 mm	130 x 50 x 20 mm
Gross weight	220g	300g
Zinc weight	60g	100g
Stock conditions	< 30°C / < 65% RH	
Tariff nr.	7905 00 00	7905 00 00
Unit packaging	24pc 27 x 14 x 16cm 5.5kg	24pc 27 x 14 x 16cm 7.5kg

The instructions described 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.

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