

GALVEX 60 & 100 hybrid

Zinc sacrificial anodes for corrosion control
of steel in concrete

Technical Data Sheet

Product application

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.



Product description

Protection of reinforced structures which are newly build or need to be repaired.

Several typical examples of applications :

- 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

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 pre-embedded in a hybridic silicate based mortar. These anodes are utilized in those areas where high expectancy of corrosion is ascertained. They guarantee a strong reduction of corrosion and preventing new locations with initiation of corrosion.

Thanks to the ease and quickness of the installation application, 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.

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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
Dimension - L x W x H	130 x 50 x 14mm	130 x 50 x 18mm
Gross weight	220 gr	260 gr
Zinc weight	60 gr	100 gr
Carton box - L x W x H	24 pcs, 27 x 14 x 16cm, 5,5kg	24 pcs, 27 x 14 x 16cm, 6,5kg
Pallet box	32 crts, 60 x 80 x 70cm, 200kg	32 crts, 60 x 80 x 70cm, 235kg
Stock conditions	< 30°C / < 65% RH	
Shelf life	Minimum 3 years (original packing)	
Tariff nr.	7905 00 00	

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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Approved
R. Giorgini

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.