

Technical Data Sheet

RollAnode

Zinc sacrificial anodes for corrosion control of steel in concrete



Description

The **RollAnode** consists of a rolled up zinc sheet with or without ion conductive adhesive which during installation will be embedded in an ion conductive self moistening paste for the cathodic protection or prevention of reinforced concrete structures.

This paste (**ZAP = Zinc anode Activation Paste**) is delivered separately in 600ml sausages which can be applied with standard manual or battery powered sealant guns.

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

Typical examples of applications

- In combination with concrete patch repair
- Bridge decks, beam supports, and columns
- Zones of newly cast concrete adhering to existing structures
- Balcony facings and concrete façades
- Concrete slabs

Applications

These sacrificial zinc anodes are specifically designed for application in pre-drilled holes, concrete rehabilitation, patch repairs, or newly cast prefabricated concrete elements. They are embedded in an ion-conductive, self-moistening paste for the cathodic protection or prevention of reinforced concrete structures.



Service life and design

The service life of the anodes is directly related to the following variables : total zinc weight per unit surface area, steel surface area (steel density), presence and availability of oxidizing agents (O₂, H₂O) to maintain the cathodic reactions on the steel structure, and the anode's capacity.

Thanks to the simplicity 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-free service life of the structure.

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ROLLANODE

POSSIBLE LENGTH	50 - 900 MM
POSSIBLE DIAMETERS	15MM – 50MM
WEIGHT	50 - 1500G
STOCK CONDITIONS	< 25OC < 50% RH
STORAGE LIFE	6 TO 60 MONTHS, DEPENDING ON THE TYPE
TARIFF NR.	7905 00 00

CP Design

In line with other CP systems, a CP system based on RollAnodes should be designed by qualified and certified specialists and installed by qualified and experienced contractors. Refer to the international standard **ISO12696** “*Cathodic protection of steel in concrete*”. For further recommendations refer to the General Description and Installation Guidelines.

Any cable connection of the **RollAnodes** should be designed by qualified specialists and can be tailor-made for the client.

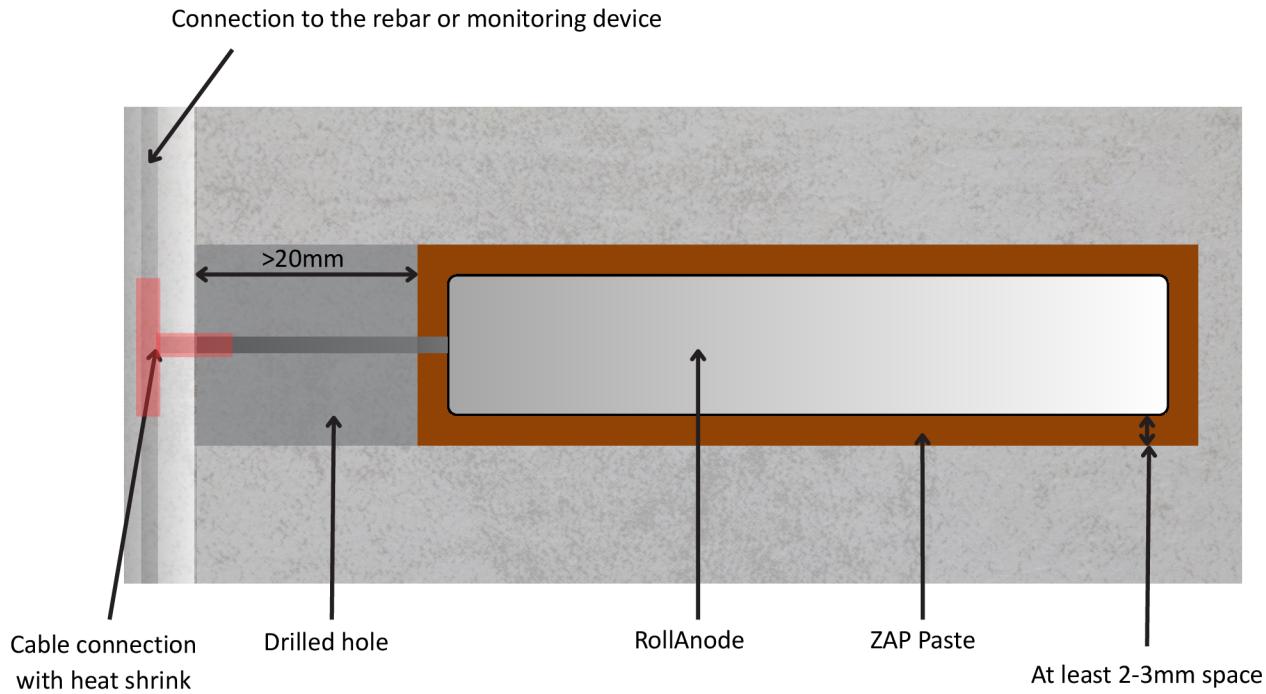


Performance characteristics

Depolarization of Reinforcing Steel according to the international standard **EN/ISO12696** “*Cathodic protection of steel in concrete*”.

The **RollAnodes** may show some self-corrosion over time by discolouring or white deposit. Because of the purity of the zinc this is completely normal and does not effect the performance.

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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.

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