



ROLLANODE

“GALVANIC ANODES FOR REINFORCED CONCRETE STRUCTURES”

Product Introduction

RollAnodes are sacrificial Zinc anodes specifically designed for application in pre-drilled holes which are then embedded in an ion-conductive self moistening paste for Cathodic Protection of reinforced concrete structures.

The **RollAnodes** are based on rolled layers of Zinc with ion-conductive gel which, after being applied in concrete, can be surrounded with a patented ion-conductive self moistening paste keeping the anodes active during their entire service-life. The paste (Zinc Anode Activation Paste 'ZAP') is delivered separately in 600ml tubes which can be applied with standard manual or battery powered sealant guns.

These anodes can be utilised in those areas where a high expectancy of corrosion is of concern. They provide a high level of corrosion protection and prevent new locations of corrosion initiating.

Long term research indicated that **RollAnodes** help comply with the criteria detailed in the European standard EN12696.

Areas of application

- Bridge deck
- Viaduct beam supports and columns
- Areas of new repairs on existing structures
- Balcony facings and concrete facades
- Flooring

Advantages of RollAnode

- Can be used as an alternative to discrete impressed current anodes, when no current supply is available or anode feeder cable installation becomes too costly.
- High performance when used with the ZAP.
- Ideal solution for existing corrosion problems on reinforcement as anodes can be inserted in small predrilled holes.

Sizes available:

The anodes are available in 25mm diameter as standard but can be supplied in any requested length.



Anode Installation

RollAnodes are specifically designed for application in clean pre-drilled holes with no exposed steel work. Drill the holes in the concrete to at least a diameter of 30mm and a depth which is the anode's length plus 4-5cm. Before placing the anode in the hole, apply a small quantity of the paste in the bottom of the hole so that the anode can be positioned in the middle of the cavity. Seat the anode on the paste and fill up the remaining space with the paste so that a sound electrolytic continuity between the anode and the concrete structure is achieved. When installed connect and verify the connection of the anode with the steel rebar by use of a resistance meter. The resistance between the anode and rebar should be less than 1 Ohm.

Normal Application

RollAnode: Approx 6 anodes per m² of concrete surface area

Packaging

RollAnode: 24 anodes per box
ZAP (Paste): 12 x 600ml tubes per box

Warehousing

Anodes should not be stored in areas with high temperatures, high relative humidity (RH), or for longer than 12 months. Preferably < 30°C and < 50% RH.

Technical Data

ZAP (Zinc anode Activation Paste)		
Sachet	ml	600
Spec Weight	kg/l	1.5
Weight	kg	1
Stock Conditions	-	<30 °C < 50% RH
Maximum Storage time	month	12 (original Packaging)
Packaging	-	Aluminium with plastic liner

RollAnode		
Dimension	mm	Diameter 25mm ± 5%
Length	mm	Upon Request
Weight	g	10 per cm length
Stock Conditions	-	<30 °C < 50% RH
Maximum Storage time	month	12 (original Packaging)
Packaging	-	Carton box / 24 Pieces
Tariff Number		7905 00 00



CORROSION CONTROL

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