

Mesh & Ribbon Anodes

Cathodic protection materials for reinforced concrete and steel framed buildings

ENERGY & MINING



corrpro[®]
An Aegion™ Company

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Anode & Ribbon Mesh

Corrosion is probably the most significant cause of deterioration of reinforced concrete structures and masonry clad steel-framed buildings. Cathodic protection systems prevent corrosion of the steel and preserve the integrity of the structure.

Corpro offers a wide range of materials for the cathodic protection of reinforced concrete structures and steel-framed buildings. Depending on the application and structure design, different products may be used. For impressed current cathodic protection systems, MMO (mixed metal oxide) anode mesh and ribbon mesh are popular choices, offering even and uniform current distribution.

All Elgard™ anode and ribbon mesh products are manufactured on an ASTM B 265 Grade 1 titanium substrate with an MMO activation coating.

All Elgard™ products comply with the extended NACE TM-0294-2001 protocol testing. Corpro is a licensed worldwide distributor of Elgard™ anode and ribbon mesh.



Elgard™ Anode Mesh

Elgard™ Anode Mesh				
Mesh Type	Current Rating	Maximum Anode Current Density FHWA/Short term	Roll Dimensions Width x Length	Expected Lifetime
150 Mesh	18.8 mA/m ²	110mA/m ² - 220mA/m ²	1.14 x 81m	75 years
210 Mesh	24.4 mA/m ²	110mA/m ² - 220mA/m ²	1.22 x 76m	75 years
300 Mesh	37.8 mA/m ²	110mA/m ² - 220mA/m ²	1.22 x 76m	75 years

Elgard™ Ribbon Mesh

Elgard™ Ribbon Mesh				
Mesh Type	Current Rating @ 110mA/m ²	Maximum Anode Current Density FHWA / Short term	Roll Dimensions Width x Length	Expected Lifetime
85 RM	2.8 mA/m	110mA/m ² - 220mA/m ²	10mm x 76m	75 years
100 RM	3.5 mA/m	110mA/m ² - 220mA/m ²	13mm x 76m	75 years
150 RM	5.25 mA/m ²	110mA/m ² - 220mA/m ²	19mm x 76m	75 years

Standard Applications

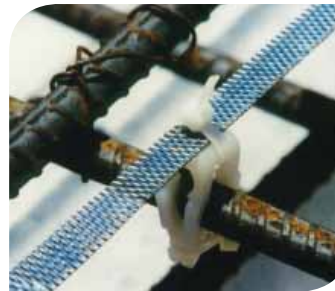
Anode mesh is typically used in overlay systems for larger areas such as bridge decks. Ribbon mesh can be installed during the construction phase on rebar using plastic spacers before concrete pouring. It can also be installed after construction in pre-cut slots.

Applications where Elgard™ anode and ribbon mesh have been used include:

- Multi-story parking garages
- Bridges
- Buildings
- Cooling towers
- Marine structures including jetties

Installation

Corpro also provides installation products and materials including, titanium conductor bar, rebar clips, etc.



corpro®

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Corpro Companies, Inc.

800.443.3516 United States
800.661.8390 Canada
44.1642.614106 Europe
966.3.808.9637 Middle East

www.corpro.com