

# Ribbon Mesh

*MMO Ribbon Mesh*

## 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. Corrpro 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 LIDA® GRID anode and ribbon mesh products are manufactured on an ASTM B 265 Grade 1 titanium substrate with an MMO activation coating.

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

## Typical 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 LIDA® anode mesh have been used include:

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

## Installation

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

MATERIAL SPECIFICATIONS				
MESH RIBBON 10 mm width	Unit	10mm width	15mm width	20mm width
Current Rating at 110 mA/m <sup>2</sup>	mA/m	2,7	3.97	5.3
Dimensions	Width	mm	10 ± 0,1	15 ± 0,1
	Thickness	mm	0,9 ± 0,1	0.9 ± 0,1
	Unit	m	26 + 0,3/-0	26 + 0,3/-0
Weight (Approx) per roll of 26 m	g/roll	369 ± 10 %	554 ± 10 %	738 ± 10 %
Electrical resistance	Ohm/m	0,43	0.33	0.22
Expected design life	Years	100	100	100
ANODE CONCRETE INTERFACE MAXIMUM CURRENT DENSITY FHWA limit	mA/m <sup>2</sup>	110	110	110
Short Term limit	mA/m <sup>2</sup>	220	220	220

The values of materials specifications are nominal

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