

LIDA® Mesh Ribbon Anodes

A new proprietary process for the production of a mesh ribbon anode for Impressed Current Cathodic Protection (ICCP) has been developed by De Nora.

The result of this process is a new mesh ribbon anode characterized by diamonds with the major diagonal lengthwise oriented.

Key features

LIDA® LD Mesh Ribbon Anodes has 60% lower resistivity than conventional ribbon Mesh. The high conductivity allows a significant reduction in the number of connections required to distribute current to the anodes.

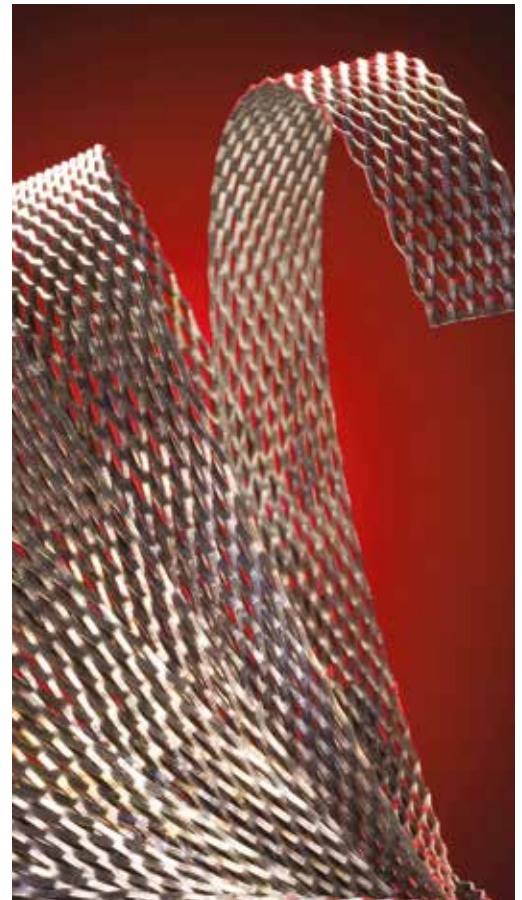
- No sharp edges: easier to handle and install
- Manufactured in longer coils: 76m vs. 26m coil length of LIDA® Mesh Ribbon
- Increased flexibility
- Tested According to **NACE TM 0294**
- Lower life-cycle costs and extended anode life of over 50 years

Applications

The LIDA® LD Mesh Ribbon Anodes is primarily designed for CP of:

- New structures
- Remedial works of existing reinforced concrete structures
- Historic steel framed buildings

Its unique properties make the anode extremely advantageous in the CP of tank bottoms of aboveground storage tanks (ASTs).



LIDA® LD Mesh Ribbon Anode



LIDA® LD Mesh Ribbon Anode for ASTs

Cathodic protection of reinforced concrete structures

Material Specifications	Unit	Type 1	Type 2
Current Rating at 10 A/m ²	mA/m	5.3	2.7
Dimensions Width	mm	20	10
Thickness	mm	1.5	1.5
Unit Length	m	76.2	76.2
Weight (approx) per roll of 100 m	g/roll	2,500	1,400
Electrical resistance	Ohm/m	0.088	0.177
Expected design life	Years	100	100



LIDA® LD Mesh Ribbon Anode for Concrete

Anode Concrete Interface Maximum Current Density

- FHWA Limit 110 mA/m
- Short term limit 220 mA/m
- Substrate composition ASTM B265 Titanium Grade 1
- Catalyst Mixed Metal Oxide for Oxygen Evolution.

Current Distributor for Type 1 and Type 2

Width	mm	15	10
Thickness	mm	1	0.5
Weight	g/m	68	20.75
Electrical resistance	Ohm/m	0.040	0.11



LIDA® LD Mesh Ribbon Anode for Remedial works

ELECTROCHEMISTRY AT YOUR SERVICE™

SPECIALTIES & NEW APPLICATIONS

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