

Oxygen & Specialties

# LIDA® Grid Concrete Mesh Ribbon Anodes

## Cathodic Protection

LIDA® GRID Anode - is the leader in mixed metal oxide anode technology. Its reliability is proven by hundreds of kilometers installed in more than 30 countries.

### ADVANTAGES:

- **Uniform current distribution**
- **Mesh ribbon** width and spacing can be varied to fine tune cathodic protection current requirement
- **Easy to install** during the construction process can be installed on rebar cages, via plastic spacers, before concrete pouring

- **Activation coating** Mixed metal oxide coating; the LIDA® GRID produces mainly oxygen
- **Quality control** LIDA® GRID is manufactured under strict quality control procedures, quality control certificates are provided on request





## Typical Installations

Material Specifications			
MESH RIBBON	Unit	Type 1	Type 2
Current Rating at 110 A/m <sup>2</sup>	mA/m	5.3	2.7
Dimensions Width	mm	20	10
Thickness	mm	0.9	0.9
Unit Length	mm	26	26
Weight (approx) per roll 26 m	g/roll	738	369
Electrical resistance	Ohm/m	0.22	0.43
Expected design life	Years	100	100
Anode Concrete Interface Maximum Current Density			
FHWA limit	mA/m <sup>2</sup>	110	110
Short-term limit	mA/m <sup>2</sup>	220	220
Substrate Composition	ASTM B 265 Titanium Grade 1		
CATALYST	Mixed Metal Oxide for Oxygen Evolution		
Current Distributor for Type 1 and Type 2			
Width	mm	15	
Thickness	mm	1	
Weight	g/m	68	
Electrical resistance	Ohm/m	0.040	

Note: the values of material specifications are nominal.



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