

Oxygen & Specialties

ELGARD® Grid Concrete Mesh Ribbon Anodes

Cathodic Protection

ELGARD® 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:

- Manufactured with a new proprietary process that grants enhanced mechanical properties
- Expected design life: more than 100 years at full rated current output
- Tracking: All the rolls are coded for quality check reference
- Job number can be checked by customers on demand (Label system Picture)



< Label system

Mesh ribbon with clips >



Typical Installations

Material Specifications					
MESH RIBBON	Unit	85 RM	100 RM	150 RM	200 RM
Current Rating at 110 A/m ²	mA/m ²	2.8	3.5	5.28	7.0
Dimensions Width	mm	10	12.7	19.05	25.4
Thickness	mm	0.9	0.9	0.9	0.9
Unit Length	m	76	76	76	76
Weight (approx) per roll 26 m	Kg	1.25	1.73	2.64	3.52
Electrical resistance	Ohm/m	0.62	0.44	0.28	0.21
Expected design life	Years	100	100	100	100
Anode Concrete Interface Maximum Current Density					
FHWA limit	mA/m ²	110	110		
Short-term limit	mA/m ²	220	220		
Substrate Composition	ASTM B 265 Titanium Grade 1				
CATALYST	Mixed Metal Oxide for Oxygen Evolution				
Current Distributor					
Width	mm	12.7			
Thickness	mm	0.9			
Coil Length	m	76			
Shipping weight per coil	KG	4.55			

Note: the values of material specifications are nominal.



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