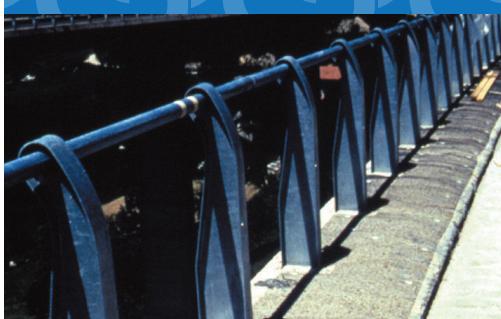


ELGARD® Mesh Anodes

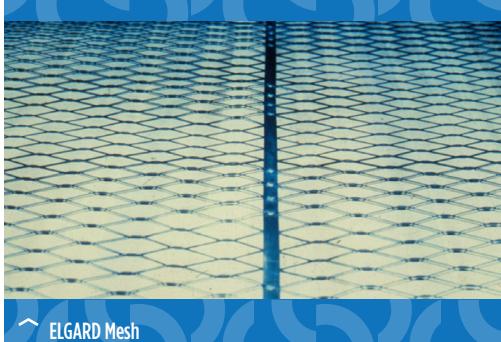
Cathodic Protection



Steel-reinforced Concrete Roadway



Guard Rail Sidewalk Detail



ELGARD Mesh

ELGARD® Anode mesh is the leading mixed metal oxide anode technology. Reliability is proven with over 110,000 square meters of installed anode surface area in more than 30 countries.

Advantages:

- Even current distribution: the highly expanded mesh pattern provides uniform cathodic protection current to the steel-reinforcement
- Pre-fabricated: the ELGARD Anode mesh arrives at the job site ready to be rolled out, fastened down and connected
- Activation coating: mixed metal oxide coating; the catalytic coating is stable in both oxygen and chlorine evolution reactions
- Quality control: ELGARD Anode mesh is manufactured under strict quality control procedures, quality control certificates are provided on request

TYPICAL INSTALLATIONS

Technical Data	Unit	ELGARD 150	ELGARD 210	ELGARD 300
Nominal rated current output per unit of concrete surface	mA/ft ²	1.5	2.1	3.0
FHWA maximum anode current density (*)	mA/ft ²	10	10	10
*Anode current density may be increased to 20 mA/ft ² . In the short term, during initial polarization, the anode current density may be increased to 35 mA/ft ²				
Expected design life	Years	100	100	100
Substrate Composition				
ASTM B 265 Titanium grade 1				
Catalyst				
Mixed Metal Oxide for Oxygen Evolution				
Nominal diamond dimensions	in	3 x 1.33	3 x 1.33	2 x 0.92
Nominal thickness (approx.)	in	0.025	0.025	0.035
NET roll nominal dimensions				
Width	ft	4	4	4
Length	ft	250	250	250
Weight per roll (approx.)	lbs	25	45	65
Weight/ft ² of NET (approx.)	lbs/ft ²	0.025	0.055	0.065
Current distributor				
Dimensions				
1/2" x 0.035" T	1/2" (width) x 0.035" (thickness)		0.069 Ohm/m	
1/4" x 0.025" T	1/4" (width) x 0.025" (thickness)		0.14 Ohm/m	



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