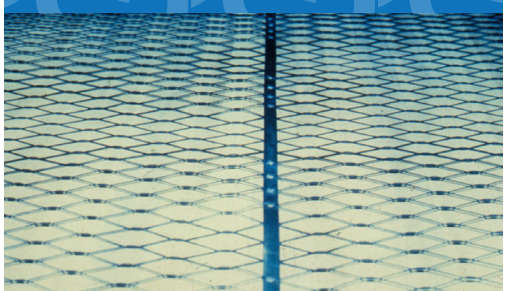
ELGARD® Mesh Anodes

Specialties & New Applications

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

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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/ft2. In the short term, during initial polarization, the anode current density may be increased to 35 mAft

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/ft2 of NET (approx.)	lbs/ft^2	0.025	0.055	0.065

Current distributor	Dimensions	Electrical resistance
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

marketing@denora.com **www.denora.com**

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