



Technical Product Information
CATHODIC PROTECTION
IMPRESSED CURRENT SYSTEMS

ELGARD™ 210 ANODE MESH

Elgard 210 Anode Mesh

Performance specifications

Current Rating @ 110 mA/sq.m (10mA/sq.ft)	24.4mA/sq.m (2.22 mA/sq.ft)
Expected life (NACE standard TM02944-94)	75 years
Catalyst	Mixed Metal Oxide
Maximum anode concrete interface current density	
FHWA limit	110mA/sq.m (10mA/sq.ft)
Short-term limit	220mA/sq.m (20 mA/sq.ft)

Dimensions

Width of roll	1.22m (4ft)
Length of roll	76m (250ft)
Area per roll	92.9sq.m (1,000ft)
Actual anode surface per unit area of concrete	0.22sq.m/sq.m(0.22sq.ft/sq.ft)
Expanded thickness	1.981 mm (0.078")
Diamond dimensions	34mmx76mmx0.89mm
Shipping weight per coil	33 Kg (73 lbs)

Substrate

Composition	Titanium, Grade 1 per ASTM B265
Coefficient of thermal expansion	8.7 x 10 ⁻⁵ /Deg K (0.0000048/in/in/Deg K)
Thermal conductivity @ 20 Deg C	15.6 W/sq.m-DegK (9.0 BTU/hr/sq.ft/Deg F./ft)
Electrical resistivity	0.000056 ohm-cm (0.000022 ohm-in
Modulus of elasticity	105 GPa (14,900,000 PSI) minimum
Tensile strength	245 MPa (35,000 PSI) minimum
Yield strength	175 MPa (25,000 PSI) minimum
Elongation	24% minimum
Resistance lengthwise	0.046 ohm/m (0.014 ohm/ft)
Current distributor resistance lengthwise	0.049 ohm/m (0.015 ohm/ft)
Resistance widthwise w/current distributor	0.016 ohm/m (0.005 ohm/ft)



CORRPRO Companies Europe Limited
Adam Street, Bowesfield Lane, Stockton-on-Tees, TS18 3HQ
Telephone: ++44 (01642) 614106 (8 lines)
Fax: ++44 (01642) 614100 E Mail: ccel@corrpro.co.uk