



LIDA® GRID
 ACTIVATED TITANIUM EXPANDED MESH RIBBON FOR CATHODIC PROTECTION
 OF STEEL IN CONCRETE

MATERIAL SPECIFICATIONS		
MESH RIBBON 25 mm width		Unit
Current Rating at 110 mA/m ²		mA/m 7,06
Anode Surface Area		m ² /m 0,062
Dimensions	Width	mm 25 ± 0,1
	Thickness	mm 0,9 ± 0,1
	Unit Lengths	m 26 + 0,3/-0
Weight (Approx) per roll of 26 m		g/roll 886 ± 10 %
Expected design life		Years 100
ANODE CONCRETE INTERFACE MAXIMUM CURRENT DENSITY		
FHWA limit		mA/m ² 110
Short Term limit		mA/m ² 220
CATALYST		Noble Mixed Metal Oxide
SUBSTRATE		ASTM B265 Titanium Grade 1
Composition	Titanium	Grade 1 per ASTM B265
Coefficient of thermal expansion	1/°K	8,7 x 10 ⁻⁵
Thermal conductivity @ 20°C	W/m ² - °K	15,6
Electrical resistivity	Ohm/cm	0,000056
Modulus of elasticity	GPa (minimum)	105
Tensile strength	MPa (minimum)	245
Yield strength	MPa (minimum)	175
Elongation	minimum	24%

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