MIXED METAL OXIDE RIBBON ANODES

REVISION 1

APPLICATION

Reinforced Concrete Structures & Tank Bottoms

STANDARD ANODE TYPES, DIMENSIONS AND OUTPUTS

APPLICATION	Sand & Concrete
RIBBON MMO DATA	
Substrate	Titanium ASTM B338 Grade 1
Coating	IrO_2/Ta_2O_5
Coating Method	Multi pass thermal decomposition of precious metal salts technique
Width (Nom) Thickness (Nom) Standard Coil Length Standard Coil Weight	0.25" (6.35mm) 0.025" (0.635mm) 250' (76.22m) 2.5lbs (1.12kg)
Surface Area of Ribbon Consumption Rate	0.014m^2/m 0.5 - 4.0 mg/A/yr depending upon CP application conditions
Utilisation Factor	Dimensionally Stable
Working Environment	Suitable for Cl_2 & O_2 or combination of both
Operating Characteristics	CURRENT OUTPUT IN FINE SAND 12.8mA/ft (42mA/m) when operating at a current density of 0.278A/ft^2 (3A/m^2). 50 year design life when operating at a current density of 0.278A/ft^2 (3A/m^2). CURRENT OUTPUT IN CONCRETE 0.45mA/ft (1.5mA/m) when operating at a current density of 10.19mA/ft^2 (110A/m^2). 100 year design life when operating at a current density of 10.19mA/ft^2 (110A/m^2).
Titanium Conductor Bar	Width: 0.50" (12.7mm); Thickness: 0.035" (0.9mm) Coil length: 250' (76.22m); Coil Weight: 8.5lbs (3.8kg)
Substrate	Titanium ASTM B 265 Grade 1

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