



MeCaCorr 780

Ceramic Hybrid Epoxy Coating

TECHNICAL DATA SHEET

MeCaTeC

DESCRIPTION

MeCaCorr 780 is a ceramic hybrid epoxy coating that incorporates an advanced molecular cross-linking of inorganic and organic chemistry to provide a thermally stable high performance polymer matrix. The matrix is designed to achieve maximum corrosion protection and temperature resistance in immersion service. This 100% solids, zero VOCs coating technology is a two component system that can be spray applied in a single coat.

APPLICATIONS

•Tank Lining	 Scrubbers 	•Pipe Lining
 Immersion Heater 	 Stack Lining 	•Heat Exchanger

COVERAGE DATA

Theoretical coverage rate data Square meter/liter = 1000/thickness(microns) Square feet/gallon = 1604/thickness(mils) 500 microns = 2 square meter/liter 20 mils = 80 square feet/gallon Practical coverage rate data Practical coverage: Theoretical coverage X (1-%waste factor)

COATING DRY FILM THICKNESS

Minimum thickness – 400 microns (16 mils) Suggested thickness – 500 microns (20mils)

PACKAGING

940 ml cartridge tube - For MeCaSpray System 1 L / 0.26 Gal / 1.9 Kg / 4.2 lb Kit 5 L / 1.23 Gal / 9.5 Kg / 20.9 lb Kit 15 L / 3.96 Gal / 29 Kg / 63.9 lb Kit 95 L / 25 Gal / 180 Kg / 396.8 lb Kit

TECHNICAL DATA

Performance / Property		Results
Hardness	ASTM D 2240	[Shore D] 85
Pull Off Adhesion	ASTM D 4541	≥ 5000 psi (≥34 MPa)
X Cut Adhesion	ASTM D 6677	Rating 10
Abrasion Resistance	ASTM D 4060	≤ 50 mg

PHYSICAL DATA

Color	Dark Brown
Mix Ratio	4:1 by volume
Mix Ratio	8.28:1 by weight
Sag Resistance (625 micron / 25 mils)	No Sag
Pot Life (77°F / 25°C)	40 minutes
Low Temperature Application	55°F (12°C)
Max. Re-coat Window (75°F / 24°C)	No recoat time, must be applied wet on wet
Solvent Content	Zero
Odor	Slight to nil
Mixed Density	1.57 g/ml
Max. Operating Temp Wet Service	356°F (180°C)
Max. Operating Temp Dry Service	470°F (243°C)
Cure Time - Touch (77°F / 25°C)	3 hours
Cure Time - Handle (77°F / 25°C)	11 hours
Shelf Life	2 years

Before applying this product, please refer to the Application Instructions.

YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS



EUTECTIC CORPORATION N94 W14355 Garwin Mace Drive Menomonee Falls, WI 53051 USA Tel.: +1 (800) 558-8524 eutectic.com EUTECTIC CANADA 428, rue Aimé-Vincent Vaudreuil-Dorion, Québec J7V 5V5 Canada Tel.: +1 (800) 361-9439 eutectic.ca



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