

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



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