

DESCRIPTION

MeCaTec 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
- Immersion Heater
- Amine Vessel
- Scrubbers
- Stack Lining
- Condensate
- Pipe Lining
- Heat Exchanger
- Autoclave

COVERAGE DATA

Theoretical coverage rate data

Kit Weight	Recommended Coating Thickness	Theoretical Coverage Rate
4 lb (940 ml) (Cartridge)	20 mils (508 µm)	19.9 ft ² (1.85 m ²)
4.3 lb (1.9 kg)	20 mils (508 µm)	21.3 ft ² (1.98 m ²)
21.3 lb (9.7 kg)	20 mils (508 µm)	105.9 ft ² (9.84 m ²)
51.6 lb (23.5 kg)	20 mils (508 µm)	257.4 ft ² (23.91 m ²)
231.8 lb (105.4 kg)	20 mils (508 µm)	1155.6 ft ² (107.3 m ²)

Practical Coverage = Theoretical Coverage - Waste Factor

COATING DRY FILM THICKNESS

Minimum thickness – 16 mils (406 µm)
 Suggested thickness – 20 mils (508 µm)

TECHNICAL DATA

Performance / Property		Results
Hardness	ASTM D2240	[Shore D] 85
Pull Off Adhesion	ASTM D4541	≥5000 psi (≥34 MPa)
X Cut Adhesion	ASTM D6677	Rating 10
Steam Out Resistance (96 hours)		410°F (210°C)
Abrasion Resistance	ASTM D4060	≤50 mg
Autoclave, NACE TM0185 356°F (180°C) for 7 days		Pass

PHYSICAL DATA

Color	Dark Brown
Mix Ratio	4:1 by volume
Mix Ratio	8.28:1 by weight
Sag Resistance (25 mils/6.3 mm)	No Sag
Pot Life (77°F / 25°C)	40 minutes
Low Temperature Application	>55°F (>12°C)
Max. Recoat Window (75°F / 24°C)	No recoat time, must be applied wet on wet
Percent Solids	100%
Odor	Slight to nil
Mixed Density	1.93 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

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

PACKAGING

940 ml / 0.25 Gal / 1.8 Kg / 4.0 lb Cartridge Tube
 1.0 L / 0.3 gal / 1.9 kg / 4.3 lb Kit
 5.0 L / 1.3 gal / 9.7 kg / 21.3 lb Kit
 12.2 L / 3.2 gal / 23.5 kg / 51.6 lb Kit
 54.5 L / 14.4 gal / 105.4 kg / 231.8 lb Kit

Larger volume packaging for plural component spray is available upon request.

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