

MeCaWear 450

Great Alternative to Ceramic Tile & Wearplate

DESCRIPTION

MeCaWear 450 is a three-component inorganic/organic novolac based coating modified with silicon carbide and a dense packing of alumina ceramic. The polymer matrix is further reinforced with KEVLAR® fiber to form an outstanding abrasion resistant polymer for high temperature service. The hybrid polymer chemistry is designed to withstand elevated temperature up to 518°F (270°C).

MeCaWear 450 is a great alternative to ceramic tile and sheet grade wear technology. The coating can be top coated with MeCaWear 350 for additional slip resistance or contrasting wear indicating color.

APPLICATIONS

- Duct Work •Elbows •Baghouse
- Pump Lining •Fan Blades

COVERAGE DATA

Theoretical coverage rate data

Kit Weight	Recommended Coating Thickness	Theoretical Coverage Rate
11.6 lb (5.3 kg)	250 mils (6.3 mm)	3.2 ft ² (0.30 m ²)
43.9 lb (20.0 kg)	250 mils (6.3 mm)	12.2 ft ² (1.13 m ²)

Practical Coverage = Theoretical Coverage - Waste Factor

COATING DRY FILM THICKNESS

Minimum thickness – 250 mils (6.3 mm)
Maximum thickness – unlimited

PACKAGING

1.9 L / 0.5 gal / 5.3 kg / 11.6 lb Kit
7.2 L / 1.9 gal / 20 kg / 43.9 lb Kit

TECHNICAL DATA

Performance / Property		Results
Hardness	ASTM D2240	[Shore D] 85
Pull Off Adhesion	ASTM D4541	≥ 2,900 psi (≥20 MPa)
Impact	ASTM D2794	>115 in•lb (>1.32 kg•m)

PHYSICAL DATA

Color	Dark Gray
Mix Ratio	4:1 by volume
Mix Ratio	7.3:1 by weight
Sag Resistance (250 mils / 6.3 mm)	No Sag
Working Life (200g) (77°F / 25°C)	30 minutes
Low Temperature Application	>50°F (>10°C)
Percent Solids	100%
Odor	Slight to nil
Mixed Viscosity (73°F / 23°C)	>500,000 mPa•s (cP)
Mixed Density	2.77 g/ml
Max. Operating Temp. - Wet Service	300°F (150°C)
Max. Operating Temp. - Dry Service	518°F (270°C)
Cure Time - Touch (77°F / 25°C)	2 hours
Cure Time - Handle (77°F / 25°C)	6 hours

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

YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS

