

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
 Square meter/kg = 0.36/thickness(mm)
 Square feet/kg = 155/thickness(mils)

Thickness	5.3 Kg Kit	20 Kg Kit
250 mils (1/4")	3.29 sqft	12.4 sqft
6 mm	0.32 sqm	1.2 sqm

Practical coverage rate data
 Practical coverage = Theoretical coverage X (1 - % waste factor)

COATING DRY FILM THICKNESS

Minimum thickness – 3 mm (125 mils)
 Maximum thickness – unlimited

PACKAGING

1.9 L / 0.5 Gal / 5.3 Kg / 11.7 lb Kit
 7.2 L / 1.9 Gal / 20 Kg / 44 lb Kit

TECHNICAL DATA

Performance / Property		Results
Hardness	ASTM D 2240	[Shore D] 85
Pull Off Adhesion	ASTM D 4541	≥2,900 psi (≥20 MPa)
Impact	ASTM D 2794	115 lb/inch (52 kg/cm)

PHYSICAL DATA

Color	Dark Gray
Mix Ratio	4:1 by volume
Mix Ratio	7.3:1 by weight
Sag Resistance (6350 micron/250 mils)	No Sag
Working Life (200g) (77°F / 25°C)	30 minutes
Low Temperature Application	50°F (10°C)
Solvent Content	Zero
Odor	Slight to nil
Mixed Viscosity (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)	1.5 hours
Cure Time - Handle (77°F / 25°C)	5 hours
Shelf Life	2 years

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

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