

DESCRIPTION

MeCaWear 400 is a trowel grade, three component ceramic polymer coating containing a high loading level of medium sized spherical and platy alumina ceramics. MeCaWear 400 is modified with elastomeric toughening technology to improve crack and impact resistance. This tough composite polymer also includes KEVLAR® fiber to further strengthen the polymer matrix.

MeCaWear 400 is a great alternative to ceramic tile and sheet grade wear technology. The coating can be topcoated with MeCaWear 300 for additional slip enhancement or contrasting wear indicating color.

APPLICATIONS

- Chutes
- Coal Pulverizers
- Pump Housings
- Pipe Elbows
- Screw Conveyors
- Slurry Tank Bottoms

COVERAGE DATA

Typical coverage rate data
 Square meter/kg = 0.38/thickness(mm)
 Square feet/kg = 162/thickness(mils)

Thickness	4.8 Kg Kit	20 Kg Kit
250 mils (1/4")	3.1 sqft	12.8 sqft
6 mm	0.28 sqm	1.2 sqm

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

COATING DRY FILM THICKNESS

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

PACKAGING

1.8 L / 0.475 Gal / 4.6 Kg / 10.1 lb Kit
 7.6 L / 2 Gal / 20 Kg / 44 lb Kit

TECHNICAL DATA

Performance / Property		Results
Hardness	ASTM D 2240	[Shore D] 78
Pull Off Adhesion	ASTM D 4541	≥2,100 psi (≥15MPa)
Impact	ASTM D 2794	>608 lb/inch (>276 kg/cm)

PHYSICAL DATA

Color	Yellow
Mix Ratio	4:1 by volume
Mix Ratio	6.51:1 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	>500,000 mPa-s (cP)
Mixed Density	2.65 g/ml
Max. Operating Temp. - Wet Service	122°F (50°C)
Max. Operating Temp. - Dry Service	195°F (90°C)
Cure Time - Touch (77°F / 25°C)	3 hours
Cure Time - Handle (77°F / 25°C)	10 hours
Shelf Life	2 years

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

YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS

