



# MeCaWear 400

Excellent Alternative to Ceramic Tile



## 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

Theoretical coverage rate data

Kit Weight	Recommended Coating Thickness	Theoretical Coverage Rate
10.5 lb (4.8 Kg)	250 mils (6.3 mm)	3.1 ft <sup>2</sup> (0.30 m <sup>2</sup> )
44 lb (20.0 Kg)	250 mils (6.3 mm)	12.9 ft <sup>2</sup> (1.13 m <sup>2</sup> )

Practical Coverage = Theoretical Coverage - Waste Factor

## COATING DRY FILM THICKNESS

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

## PACKAGING

1.8 L / 0.5 gal / 4.8 kg / 10.5 lb Kit  
7.6 L / 2 gal / 20 kg / 44 lb Kit

## TECHNICAL DATA

Performance / Property		Results
Hardness	ASTM D2240	[Shore D] 78
Pull Off Adhesion	ASTM D4541	≥ 2,100 psi (≥ 15MPa)
Impact	ASTM D2794	>240 in•lb (>2.76 kg•m)

## PHYSICAL DATA

Color	Yellow
Mix Ratio	4:1 by volume
Mix Ratio	6.51:1 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	>500,000 mPa•s (cP)
Mixed Density	2.62 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

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

## YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS



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