

MeCaWear A7

Fine Grade Wear Protection Compound

DESCRIPTION

MeCaWear A7 with fiber is a high performance paste grade polymer coating. The two-part coating incorporates a high loading of fine spherical alumina within the resin and hardener system that when reacted cures to provide a surface with outstanding wear protection.

MeCaWear A7 can be troweled to a smooth finish and is used in fine particulate wear applications where the repair compound is applied less than 1/4" (6.3 mm).

MeCaWear A7 is suitable for use on both new and worn equipment components and may be top coated with MeCaWear or MeCaCorr coatings to provide contrasting colors for visual wear indication.

APPLICATIONS

- Pipe Elbows
- Ash Handling Pipe
- Slurry Pumps
- Screw Conveyors
- Ceramic Tile Repair
- Chutes
- Pulverizers
- Flue Dust
- Filter Screens

COVERAGE DATA

Theoretical coverage rate data

Kit Weight	Recommended Coating Thickness	Theoretical Coverage Rate
3.3 lb (1.5Kg)	125 mils (3.2 mm)	2.2 ft ² (0.2 m ²)
27.5 lb (12.5Kg)	125 mils (3.2 mm)	18.8 ft ² (1.74 m ²)

Practical Coverage = Theoretical Coverage - Waste Factor

COATING DRY FILM THICKNESS

Minimum thickness – 125 mils (3.2 mm)
Maximum thickness – unlimited

PACKAGING

0.7 L / 0.17 gal / 1.5 kg / 3.3 lb Kit
5.6 L / 1.48 gal / 12.5 Kg / 27.5 lb Kit

TECHNICAL DATA

Performance / Property		Results
Hardness	ASTM D2240	[Shore D] 82
Pull Off Adhesion	ASTM D4541	≥ 2,500 psi (≥ 17 MPa)
Impact	ASTM D2794	125 in•lb (1.44 kg•m)

PHYSICAL DATA

Color	Light Gray
Mix Ratio	2:1 by volume
Mix Ratio	1.37:1 by weight
Sag Resistance (125 mils / 3.2 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	2.24 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)	1.5 hours
Cure Time - Handle (77°F / 25°C)	5 hours

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

APPROVAL

All the chemical raw materials used in MeCaWear A7 are listed in Regulation 21 CFR (FDA) 175.300 Resinous and Polymeric Coating for indirect food contact.

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