

# MeCaWear A5HT

High Temperature Wear Protection with KEVLAR®

## DESCRIPTION

MeCaWear A5HT with KEVLAR® is a high temperature resistant paste-grade polymer coating. The two-part coating incorporates a high loading of alumina and silicon carbide within the resin and hardener system that when reacted, cures to provide a surface with outstanding wear protection.

MeCaWear A5HT is composed of four primary ingredients; a high performance polymer, silicon carbide particles, angular alumina particles and interlocking KEVLAR fiber.

MeCaWear A5HT has been formulated to allow for versatility in many applications, with no special tools and without the need for additional heat. Plus, it is suitable for use on both new and worn parts. It can be “cast” into irregular shapes for use as a wear pad or wear plate.

## APPLICATIONS

- Pipe Elbows
- Ash Handling Pipe
- Slurry Pumps
- Screw Conveyors
- Ceramic Tile Repair
- Duct Work
- Baghouse

## COVERAGE DATA

Theoretical coverage rate data

Kit Weight	Recommended Coating Thickness	Theoretical Coverage Rate
5.4 lb (2.5 kg)	250 mils (6.3 mm)	1.8 ft <sup>2</sup> (0.167 m <sup>2</sup> )
20.9 lb (9.5 kg)	250 mils (6.3 mm)	6.7 ft <sup>2</sup> (0.632 m <sup>2</sup> )

Practical Coverage = Theoretical Coverage - Waste Factor

## COATING DRY FILM THICKNESS

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

## PACKAGING

1 L / 0.3 gal / 2.5 kg / 5.4 lb Kit  
3.9 L / 1 gal / 9.5 kg / 20.9 lb Kit

## TECHNICAL DATA

Performance / Property		Results
Hardness	ASTM D2240	[Shore D] 78
Pull Off Adhesion	ASTM D4541	≥1,500 psi (≥10 MPa)
Impact	ASTM D2794	>105 in·lb (>1.21 kg·m)

## PHYSICAL DATA

Color	Gray
Mix Ratio	4:1 by volume
Mix Ratio	4:1 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	2.39 g/ml
Max. Operating Temp. - Wet Service	140°F (60°C)
Max. Operating Temp. - Dry Service	329°F (165°C)
Cure Time - Touch (77°F / 25°C)	3 hours
Cure Time - Handle (77°F / 25°C)	11 hours

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

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