



Surfacing Polymer

# MeCaWear A5FS

Fast Setting Wear Compound

TECHNICAL DATA SHEET



## DESCRIPTION

MeCaTec MeCaWear A5FS, with KEVLAR®, is a fast setting, high performance paste grade polymer coating. It works in half the time when compared to our MeCaWear A5 product. This fast setting wear compound is engineered to rebuild, repair and restore equipment in minutes, reducing process downtime. MeCaWear A5FS is designed for cold weather applications and will cure down to 35°F (2°C). 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. The addition of KEVLAR aids to further strengthen the polymer matrix to reduce deformation and increase the physical properties of the ceramic coating. This non sag formula allows for a single coat application for high film buildup and vertical/overhead applications.

## APPLICATIONS

- Pipe Elbows
- Ash Handling Pipe
- Slurry Pumps
- Screw Conveyors
- Ceramic Tile Repair
- Chutes
- Pulverizers

## COVERAGE DATA

Theoretical coverage rate data

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

Practical Coverage = Theoretical Coverage - Waste Factor

## COATING DRY FILM THICKNESS

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

## PACKAGING

1 L / 0.26 gal / 2.5 kg / 5.5 lb Kit

## TECHNICAL DATA

Performance / Property		Results
Hardness	ASTM D2240	[Shore D] 82
Pull Off Adhesion	ASTM D4541	≥ 2,500 psi (≥ 17MPa)
Impact	ASTM D2794	225 in•lb (40 kg•cm)

## PHYSICAL DATA

Color	Blue-Gray
Mix Ratio	3.8:1 by volume
Mix Ratio	4:1 by weight
Sag Resistance (250 mils/6.3mm)	No Sag
Working Life (200g) (77°F / 25°C)	15 minutes
Low Temperature Application	>35°F (>2°C)
Solvent Content	Zero
Odor	Slight to nil
Mixed Viscosity	>500,000 mPa•s (cP)
Mixed Density	2.35 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)	30 minutes
Cure Time - Handle (77°F / 25°C)	1 hour

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

## YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS



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