Surfacing Polymer



# **MeCaWear A7**

# **TECHNICAL DATA SHEET**

**MeCaTeC**<sup>®</sup>

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
<ul> <li>Screw Conveyors</li> </ul>	•Ceramic Tile Repair	•Chutes
<ul> <li>Pulverizers</li> </ul>	•Flue Dust	<ul> <li>Filter Screens</li> </ul>

#### **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 <sup>2</sup> (0.2 m <sup>2</sup> )
27.5 lb (12.5Kg)	125 mils (3.2 mm)	18.8 ft² (1.74 m²)

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.

# YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS



EUTECTIC CORPORATION N94 W14355 Garwin Mace Drive Menomonee Falls, WI 53051 USA Tel.: +1 (800) 558-8524 EUTECTIC CANADA 428, rue Aimé-Vincent Vaudreuil-Dorion, Québec J7V 5V5 Canada Tel.: +1 (800) 361-9439



mecatecpolymers.com

Statement of Liability: Due to variations inherent in specific applications, the technical information contained herein, including any information as to suggested product applications or results, is presented without representation or warranty, expressed or implied. Without limitation, there are no warranties of merchantability or of fitness for a particular purpose. Each process and application must be fully evaluated by the user in all respects, including suitability, compliance with applicable law and non-infringement of the rights of others, and Eutectic Corporation and its affiliates shall have no liability in respect thereof.