

**TECHNICAL DATA SHEET** 



MeCaWear 450

# MeCaTeC

Great Alternative to Ceramic Tile & Wearplate

## DESCRIPTION

MeCaWear 450 is a three-component inorganic/organic novolac based coating modified with silicon carbide and a dense packing of alumina ceramic. The polymer matrix is further reinforced with KEVLAR® fiber to form an outstanding abrasion resistant polymer for high temperature service. The hybrid polymer chemistry is designed to withstand elevated temperature up to 518°F (270°C).

MeCaWear 450 is a great alternative to ceramic tile and sheet grade wear technology. The coating can be top coated with MeCaWear 350 for additional slip resistance or contrasting wear indicating color.

#### **APPLICATIONS**

•Duct Work •Elbows •Baghouse •Pump Lining •Fan Blades

#### **COVERAGE DATA**

Theoretical coverage rate data

Kit Weight	Recommended Coating Thickness	Theoretical Coverage Rate
11.6 lb (5.3 kg)	250 mils (6.3 mm)	3.2 ft <sup>2</sup> (0.30 m <sup>2</sup> )
43.9 lb (20.0 kg)	250 mils (6.3 mm)	12.2 ft² (1.13 m²)

Practical Coverage = Theoretical Coverage - Waste Factor

### **COATING DRY FILM THICKNESS**

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

### PACKAGING

1.9 L / 0.5 gal / 5.3 kg / 11.6 lb Kit 7.2 L / 1.9 gal / 20 kg / 43.9 lb Kit

## **TECHNICAL DATA**

Performance / Property		Results
Hardness	ASTM D2240	[Shore D] 85
Pull Off Adhesion	ASTM D4541	≥ <b>2,900 psi</b> (≥20 MPa)
Impact	ASTM D2794	>115 in•lb (>1.32 kg•m)

#### **PHYSICAL DATA**

Color	Dark Gray
Mix Ratio	4:1 by volume
Mix Ratio	7.3:1 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 (73°F / 23°C)	>500,000 mPa•s (cP)
Mixed Density	2.77 g/ml
Max. Operating Temp Wet Service	300°F (150°C)
Max. Operating Temp Dry Service	518°F (270°C)
Cure Time - Touch (77°F / 25°C)	2 hours
Cure Time - Handle (77°F / 25°C)	6 hours

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

### 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

REV 02:06/2019

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.