

Surfacing Polymer

MeCaCorr 850

TECHNICAL DATA SHEET

High Temperature Silicone Co-Polymer

DESCRIPTION

MeCaCorr 850 is a ceramic modified single component inorganic siliconized copolymer composite coating that incorporates an advanced blend of ceramic and anti corrosion inhibitors.

MeCaCorr 850 is suitable for use on surfaces that are un insulated or under insulation operating at temperatures as high as 1200°F (650°C). Meets definition or Control of Corrosion under Thermal Insulation and Fireproofing Materials—A Systems Approach per NACE SP0198.

This high temperature coating technology protects surfaces exposed to thermal shock, high temperature oxidation and thermal cycling from intermittent wet and dry conditions. MeCaCorr 850 is self priming and self curing allowing for fast and economical application without post heat curing.

The improved film flexibility and film toughness is ideal for in shop and process plant coating versatility.

APPLICATIONS

COVERAGE DATA

Kit Weight	Recommended Coating Thickness	Theoretical Coverage Rate
1 Gallon (6.4 Kg)	6-8 mils (150-200 um)	195 ft² (18 m²)

Practical Coverage = Theoretical Coverage + Waste Factor

Consumption waste factor is not included in the theorectical coverage data. Overspray, overbuild, flushing spray lines will increase product consumption.

COATING DRY FILM THICKNESS

Suggested thickness – 6 - 8 mils (150 - 200 μm) Maximum thickness – 12 mils (300 μm)

PHYSICAL DATA

Color	Black, Green and Gray	
Percent Solids (by Volume)	85%	
Adhesion ASTM D3359 Method A	>3A	
Mixed Viscosity	1,200 - 1,600 mPa-s (cP)	
VOC per EPA Method 24	0 g/L	
Mixed Density	1.7-1.8 g/ml	
Low Temperature Application	>50°F (>10°C)	
Max. Operating Temperature	1200°F (650°C)	
Max. Recoat Time	48 hours	
Recommended Coats	2 Coats (4 mils) per coat	
Max. build up per pass (dry)	1.5 mils (37.5 microns)	
Cure Time - Touch (77°F / 25°C)	30 minutes	
Cure Time - Handle (77°F / 25°C)	3 hours	

PACKAGING

3.4 L / 0.9 gal 6.4 kg / 14.1 lbs Product Code: 8630850-6.4K ESC Code: 770572

YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS

Casto<u>lin Eu</u>tectic[®] Eutectic Castolin 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 1:09/23

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-in-fringement of the rights of others, and Eutedic Corporation and its affiliates shall have no liability in respect thereof.