

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

- Kiln Shell
- Exhaust System
- Muffler System
- Valves
- Solar Absorber
- Firetubes
- Chimney
- Stainless Steel
- Piping System
- Stacks
- Heater Treaters
- Boilers

COVERAGE DATA

| Kit Weight | Recommended Coating Thickness | Theoretical Coverage Rate |
|-------------------|-------------------------------|--|
| 1 Gallon (6.4 Kg) | 6-8 mils (150-200 um) | 195 ft ² (18 m ²) |

Practical Coverage = Theoretical Coverage + Waste Factor

Consumption waste factor is not included in the theoretical 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

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