

Description

MeCaCorr® 750 is one of the most advanced chemical immersion linings on the market. The polymer matrix is specifically designed to achieve wear and chemical resistance characteristics for the restoration and protection of metallic surfaces subjected to harsh corrosion and chemical attack. It provides outstanding chemical resistance allowing it to be used in a wide variety of environments including crude oil and sulphuric acid service.

This 100% solids, zero VOC technology offers fast return to service and edge retentive properties. The coating system is designed for application versatility, it can be applied by brush, hot potted through a single component airless pump or applied through a heated 2:1 ratio plural component pump for maximum production throughput.

Key Benefits

- Glass flake modified
- Excellent chemical resistance
- Outstanding performance in acid service

Applications

- Penstock Lining
- Pipe Coating
- Petroleum Tanks
- Chemical Tanks
- Heat Exchangers

Coverage data

Theoretical coverage rate data

Square meter/liter = 1000/thickness (microns)

Square feet/gallon = 1604/thickness (mils)

625 microns = 1.6 square meter/liter

25 mils = 64 square feet/gallon

Practical coverage rate data

Practical coverage = Theoretical coverage X (1-% waste factor)

Coating dry film thickness

Minimum thickness – 500 microns (20 mils)

Suggested thickness – 625 microns (25 mils)

Wear and chemical exposure – 1000 microns (40 mils)

Technical data

Performance / Property		Results
Hardness	ASTM D 2240	[Shore D] 84
Pull Off Adhesion	ASTM D 4541	≥ 27.5 MPa (≥ 4,000 psi)
X Cut Adhesion	ASTM D 6677	Rating 10
Abrasion Resistance	ASTM D 4060	≤ 40
Cathodic Disbondment, 1.5 V for 28 days	ASTM G65	≤ 5 mm @80°C (175°F)

Physical data

Color	White
Mix Ratio	2:1 by volume
Mix Ratio	1.88:1 by weight
Sag Resistance (625 micron / 25 mils)	No Sag
Pot Life (25°C / 77°F)	35 minutes
Low Temperature Application	10°C (50°F)
Max. Re-coat Window (25°C / 77°F)	24 hours
Solvent Content	Zero
Odor	Slight to nil
Mixed Viscosity	54,000 mPa-s (cP)
Mixed Density	1.25 g/ml
Max. Operating Temp. - Wet Service	95°C (200°F)
Max. Operating Temp. - Dry Service	150°C (300°F)
Cure Time - Touch (25°C / 77°F)	30 minutes
Cure Time - Handle (25°C / 77°F)	2 hours
Return to service (25°C / 77°F)	5 days
Shelf Life	2 years

Before applying this product, please refer to the Safety Data Sheet (SDS) which is available for download on www.castolin.com/msds-portal.

Packaging

1125 ml (0.29 gal) / 1.7 kg net (3.74 lb) cartridge tube - For MeCaSpray® System

1 l (0.26 gal) / 1.5 kg net (3.30 lb) Kit

4.9 l (1.29 gal) / 7.5 kg net (16.53 lb) Kit

43.8 l (11.57 gal) / 67.5 kg net (148.81 lb) Kit

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