



Surfacing Polymer

MeCaFix 120

Metallic Repair Putty

TECHNICAL DATA SHEET

MeCaTec®

DESCRIPTION

MeCaFix 120 is a low temperature cure, stainless steel and titanium filled metallic repair putty. MeCaFix 120 is specifically formulated to protect working surfaces in all positions without sag. The polymer is extremely versatile and can be used to protect surfaces against abrasive wear, corrosive liquids and corrosion. The metallic reinforced polymer matrix can be precision machined, drilled and tapped whilst exhibiting exceptional resistance to pressure and deformation.

APPLICATIONS

- Thread Repair
- Cracked Casings
- Pump Housings
- Resurfacing Metal Loss
- Polymer Shimming
- Cold Bonding Adhesive
- Propellers
- Tube Sheet Repair
- Scored Hydraulic Rams
- Butterfly Gate Valve Repairs
- Bellows

COVERAGE DATA

Theoretical coverage rate data

Kit Weight	Recommended Coating Thickness	Theoretical Coverage Rate
0.55 lb (250 g)	125 mils (3.2 mm)	0.3 ft ² (0.027 m ²)
2.2 lb (1.0 kg)	125 mils (3.2 mm)	1.4 ft ² (0.130 m ²)

Practical Coverage = Theoretical Coverage - Waste Factor

PACKAGING

0.10 liter / 0.03 Gal. / 250 g (0.25 kg) / 0.55 lb Kit
0.40 liter / 0.11 Gal. / 1.0 kg / 2.2 lb Kit

TECHNICAL DATA

Performance / Property		Results
Hardness	ASTM D2240	[Shore D] 80
Pull Off Adhesion	ASTM D4541	≥ 4,100 psi (≥ 28 MPa)
X Cut Adhesion	ASTM D6677	Rating 10
Abrasion Resistance	ASTM D4060	40 mg
Elongation		2%
Impact	ASTM D2794	45 in•lb (0.5 kg•m)

PHYSICAL DATA

Color	Gray
Mix Ratio	3:1 by volume
Mix Ratio	4:1 by weight
Sag Resistance (250 mils / 6.3 mm)	No Sag
Working Life (77°F / 25°C)	15 minutes
Low Temperature Application	>50°F (>10°C)
Max. Recoat Window (77°F / 25°C)	While material is soft
Percent Solids	100%
Odor	Slight to nil
Mixed Viscosity	>200,000 mPa•s (cP)
Mixed Density	2.48 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 hour
Cure Time - Handle (77°F / 25°C)	3.5 hours

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

YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS



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REV 03/06/2019