



Surfacing Polymer
MeCaFix 120
 Metallic Repair Putty

TECHNICAL DATA SHEET



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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