maxmetal max 5211

Composite repair for compression and erosion damage

max 5211 is a 100% solid, metallic, and ceramic-reinforced polymer composite for compression, corrosion, abrasion, and erosion damage repair, designed with a high content of blended fillers to provide a surface with outstanding resistance for your applications under extreme operational conditions. Max5211 provides surprisingly high abrasion resistance for a metal repair and rebuild composite.

Maximizing your benefits

Metallic reinforcement
Ideal for repair and rebuild services

Fine metallic fillers
For castable and machinable services

Outstanding compression resistance
Ideal for applications under severe loads

Excellent abrasion resistance
Making it an excellent choice for protecting your assets

Maximizing your applications

- Pneumatic conveyors
- Pipe elbow
- Engine blocks
- Hydraulic pistons
- Surface leveling
- Wear plates
- Rebuild of metal surfaces
- Repair of damaged shafts
- Pump casings
- Turbo separators

THEORETICAL COVERAGE @ 600 *µm*
1 kg covers 0,62 m²
5 kg covers 3,10 m²

PACKING	
MAX 5211.01	1 kg
MAX 5211.05	5 kg
MAX 5211.20	20 kg
Shelf Life	24 months

WINDOW RECOAT	
Minimum	2 hours
Maximum	24 hours

DATA	
Ratio Volume	8:1
Ratio Weight	20:1
Working time	25 minutes
Density A + B	2.70

CURING TIMES (25 °C)	
Dry-to-touch	2 hours
No loading or immersion	4 hours
Machining or light loading	5 hours
Full mechanical load	24 hours
Full chemical	270 hours
Dry Film Thickness	600 µm

PROPERTIES	
Adhesion ASTM D4541	25 Mpa >3600 psi
Compressive Strength ASTM D695	127 Mpa >18400 psi
Hardness (Shore D) ASTM D2240 (24h)	85
Hardness (Shore D) ASTM D2240 (72h)	90
Tensile Strength ASTM D638	44 Mpa >6400 psi
Flexural Strength ASTM D790	89 Mpa >12900 psi
Impact Resistance ASTM D256	2.5 kJ/m²
Temperature Resistance ASTM D 3418	80 °C 176 °F
Heat Resistance	200 °C 392 °F

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