maxceramic max 1411

Repair composite for extreme sliding abrasion wear

max 1411 is an engineered dual-component ceramic reinforced polymer composite specifically designed for your applications under severe sliding abrasion wear caused by coarse particles. This innovative polymer matrix incorporates a unique blend of ceramic fillers to enhance the protection of surfaces against severe abrasive and erosion attacks.

Maximizing your benefits

100% solids; no VOCs
Making it a great choice for any environmentally friendly project

Outstanding sliding abrasion resistance
Making it an excellent choice for extending the life of your assets

Large ceramic fillers
Ideal for large particulate wear applications

High gloss, low drag surface
Reducing the amount of energy required to operate the equipment

Maximizing your applications

- Pump cases
- Pipe bends
- Pumps & Valves
- Wear plates
- Slurry systems
- Mixing vessels
- Magnetic separators
- Severe cavitation
- High wear & erosion
- Sliding abrasion

THEORETICAL COVERAGE @ 3500 µm
1 kg covers 0.13 m²
5 kg covers 0.65 m²

PACKING	
MAX 1411.01	1 kg
MAX 1411.05	5 kg
MAX 1411.20	20 kg
Shelf Life	24 months

WINDOW RECOAT	
Minimum	2 hours
Maximum	24 hours

DATA	
Ratio Volume	4:1
Ratio Weight	5.8:1
Working time	20 minutes
Density A + B	2.15

CURING TIMES (25 °C)	
Dry-to-touch	2 hours
No loading or immersion	2 hours
Machining or light loading	3 hours
Full mechanical load	24 hours
Full chemical	270 hours
Dry Film Thickness	3500 µm

PROPERTIES	
Adhesion ASTM D4541	21 Mpa >3000 psi
Abrasion resistance ASTM D4060	50 mm³ H10 (wet)
Compressive Strength ASTM D695	85 Mpa >12300 psi
Hardness (Shore D) ASTM D2240	83
Tensile Strength ASTM D638	26 Mpa >3700 psi
Flexural Strength ASTM D790	120 Mpa >17400 psi
Impact Resistance ASTM D256	1.8 kJ/m²
Temperature Resistance ASTM D 3418	120 °C 248°F
Heat Resistance	200 °C 392°F

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