maxceramic max 1552

Repair composite for severe corrosion, erosion, and chemical attack

max 1552 is a 100% solids ceramic reinforced liquid polymer composite designed for applications under severe corrosion, erosion, chemical attack, and fine particle abrasion. It is formulated with fine ceramic fillers to provide a smooth, polished finish with high impermeability and abrasion resistance. It is a dual-component composite that offers excellent performance against the mentioned challenges.

Maximizing your benefits

Sprayable
A simpler and faster way to protect your asset

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

Fine ceramic fillers
Ideal for severe fine particulate wear

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

Maximizing your applications

- Pump cases
- Rotors
- Wear plates
- Heat exchangers
- Slurry systems
- Impellers
- Immersion applications
- Chemical attack
- High wear & erosion
- Sliding abrasion

CURING TIMES (25 °C)	
Dry-to-touch	1.5 hours
No loading or immersion	4 hours
Machining or light loading	6 hours
Full mechanical load	24 hours
Full chemical	270 hours
Dry Film Thickness	500 µm

PROPERTIES	
Adhesion ASTM D4541	35 Mpa >5000 psi
Abrasion resistance ASTM D4060	6 mm³ CS17 (dry)
Compressive Strength ASTM D695	110 Mpa >15900 psi
Hardness (Shore D) ASTM D2240 (24h)	80
Hardness (Shore D) ASTM D2240 (72h)	85
Tensile Strength ASTM D638	42 Mpa >6000 psi
Flexural Strength ASTM D790	121 Mpa >17500 psi
Temperature Resistance ASTM D 3418	120 °C 248°F
Heat Resistance	200 °C 392°F

THEORETICAL COVERAGE @ 500 µm	
1 kg covers 1,11 m²	
5 kg covers 5,55 m²	

PACKING	
MAX 1552.01	1 kg
MAX 1552.05	5 kg
MAX 1552.20	20 kg
Shelf Life	24 months

WINDOW RECOAT	
Minimum	1.5 hours
Maximum	24 hours

DATA	
Ratio Volume	6:1
Ratio Weight	11:1
Working time	20 minutes
Density A + B	1.80

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