maxceramic max 1211

Repair ceramic-reinforced composite for severe abrasion wear

max1211 is a solvent and VOC-free, ceramic-reinforced polymer composite specifically developed for repairing surfaces exposed to severe sliding abrasion caused by fine particles. This innovative polymer incorporates a unique blend of fine fillers to enhance the laminar flow of the material. It is ideal for protecting against severe abrasion and corrosion environments.

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

Ceramic reinforced polymer composite
Extends the equipment's life exposed to particle wear

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

CURING TIMES (25 °C)	
Dry-to-touch	2 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	3000 µm

PROPERTIES	
Adhesion ASTM D4541	21 Mpa >3000 psi
Abrasion resistance ASTM D4060	45 mm³ H10 (wet)
Compressive Strength ASTM D695	93 Mpa >13400 psi
Hardness (Shore D) ASTM D2240	83
Tensile Strength ASTM D638	37 Mpa >5300 psi
Flexural Strength ASTM D790	66 Mpa >9500 psi
Impact Resistance ASTM D256	2.0 kJ/m²
Temperature Resistance ASTM D 3418	120 °C 248°F
Heat Resistance	200 °C 392°F

THEORETICAL COVERAGE @ 3000 µm	
1 kg covers 0.16 m²	
5 kg covers 0.80 m²	

PACKING	
MAX 1211.01	1 kg
MAX 1211.05	5 kg
MAX 1211.20	20 kg
Shelf Life	24 months

WINDOW RECOAT	
Minimum	2 hours
Maximum	24 hours

DATA	
Ratio Volume	3:1
Ratio Weight	3.5:1
Working time	20 minutes
Density A + B	2.15

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