maxceramic max 1311

Ultra-fast curing for extreme sliding abrasion wear

max 1311 is a dual-component ultra-fast curing, ceramic reinforced polymer composite specifically designed for your applications under severe sliding abrasion wear caused by midsize particulate. This innovative polymer incorporates a unique blend of special medium-sized fillers to enhance protection in extreme abrasion and corrosion environments.

Maximizing your benefits

Ultra-fast curing
For an extremely fast return to service of your asset

Mid-size ceramic fillers
Ideal for mid-size particulate wear applications

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

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

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	1 hour
No loading or immersion	1.5 hours
Machining or light loading	2 hours
Full mechanical load	24 hours
Full chemical	270 hours
Dry Film Thickness	3500 µm

PROPERTIES	
Adhesion ASTM D4541	14 Mpa >2000 psi
Abrasion resistance ASTM D4060	52 mm³ H10 (wet)
Compressive Strength ASTM D695	90 Mpa >13000 psi
Hardness (Shore D) ASTM D2240	85
Tensile Strength ASTM D638	20 Mpa >2900 psi
Flexural Strength ASTM D790	39 Mpa >5600 psi
Impact Resistance ASTM D256	2.1 kJ/m²
Temperature Resistance ASTM D 3418	120 °C 248°F
Heat Resistance	200 °C 392°F

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

PACKING	
MAX 1311.01	1 kg
MAX 1311.05	5 kg
MAX 1311.20	20 kg
Shelf Life	24 months

WINDOW RECOAT	
Minimum	1 hour
Maximum	12 hours

DATA	
Ratio Volume	2:1
Ratio Weight	2:1
Working time	10 minutes
Density A + B	2.12

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