maxceramic max 1711

Hybrid repair composite for extreme impact and severe abrasion

max 1711 is a new generation of high shape-memory, hybrid resin polymer composite developed specially to increase surface protection against continued direct impact. This dual-component hybrid resin is reinforced with fine ceramic fillers ideal for applications exposed to severe fine particulate sliding abrasion, erosion, and corrosion.

Maximizing your benefits

Hybrid resin
Provides excellent impact resistance

Fine ceramic fillers
Ideal for severe fine particulate wear

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

Easy to mix and apply
Requires no special tools or skills, perfect for manual applications

Maximizing your applications

- Pump cases
- Pipe bends
- Pumps & Valves
- Wear plates
- Magnetic separators
- Severe cavitation
- Workbenches
- Direct impacts
- Sliding abrasion
- Replacement of ceramic tiles

THEORETICAL COVERAGE @ 8000 *µm*
1 kg covers 0,06 m²
5 kg covers 0,3 m²

PACKING	
MAX 1711.01	1 kg
MAX 1711.05	5 kg
MAX 1711.20	20 kg
Shelf Life	24 months

WINDOW RECOAT	
Minimum	3 hours
Maximum	24 hours

DATA	
Ratio Volume	6:1
Ratio Weight	11:1
Working time	40 minutes
Density A + B	2.15

CURING TIMES (25 °C)	
Dry-to-touch	3 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	8000 µm

PROPERTIES	
Adhesion ASTM D4541	21 Mpa >3000 psi
Abrasion resistance ASTM D4060	10 mm³ H10 (wet)
Compressive Strength ASTM D695	73 Mpa >10600 psi
Hardness (Shore D) ASTM D2240	85
Tensile Strength ASTM D638	31 Mpa >4400 psi
Flexural Strength ASTM D790	63 Mpa >9100 psi
Impact Resistance ASTM D256	5.3 kJ/m²
Temperature Resistance ASTM D 3418	120 °C 248°F
Heat Resistance	200 °C 392°F

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