

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

WINDOW RECOAT

Weight	Coverage	Minimum	Maximum
1 kg covers	0,06 m ²	3 hrs	24 hrs
5 kg covers	0,3 m ²		

PACKING

DATA

Product Code	Weight	Ratio	Working time
DGC 1711.01	1 kg	Ratio Volume 6:1	
DGC 1711.05	5 kg	Ratio Weight 11:1	
DGC 1711.20	20 kg	Working time 40 mins	
Shelf Life	24 months	Density A + B 2.15	

CURING TIMES (25°C)

Dry-to-touch	3 hrs
No loading or immersion	4 hrs
Machining or light loading	6 hrs
Full mechanical load	24 hrs
Full chemical	270 hrs
Dry Film Thickness	8000 µm

PROPERTIES

Adhesion ASTM D4541	21 Mpa >3000 psi
Abrasion resistance ASTM D4060	10 mm ³ 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/m ²
Temperature Resistance ASTM D 3418	120 °C 248 °F
Heat Resistance	200 °C 392 °F

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