

DGC 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 polymerin incorporates a unique blend of special medium-sized fillers to enhance protection in extreme abrasion andcorrosion 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 hr
No loading or immersion	1.5 hrs
Machining or light loading	2 hrs
Full mechanical load	24 hrs
Full chemical	270 hrs
Dry Film Thickness	3500 µm

PROPERTIES

Adhesion ASTM D4541	14 Mpa >2000 psi
Abrasion resistance ASTM D4060	52 mm ³ 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/m ²
Temperature Resistance ASTM D 3418	120 °C 248 °F
Heat Resistance	200 °C 392 °F

THEORETICAL COVERAGE @ 3500 µm

WINDOW RECOAT

1 kg covers	0.13 m ²	Minimum	1 hr
5 kg covers	0.65 m ²	Maximum	12 hrs

PACKING

DATA

DGC 1311.01	1 kg	Ratio Volume	2:1
DGC 1311.05	5 kg	Ratio Weight	2:1
DGC 1311.20	20 kg	Working time	10 mins
Shelf Life	24 months	Density A + B	2.12

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