

DGC 1512

is an engineered dual-component low-drag, ceramic-reinforced liquid polymer composite designed with a low-viscosity, high-solids modified epoxy resin. This innovative polymer incorporates fine ceramic fillers to protect surfaces exposed to services under extreme chemical attack, severe erosion, corrosion, and light abrasion environments.

MAXIMIZING YOUR BENEFITS

SPRAYABLE

A simpler and faster way to protect your asset

OUTSTANDING CHEMICAL AND ABRASION RESISTANCE

Making it an excellent choice for extending the life of your assets

FINE CERAMIC FILLERS

Ideal for severe fine particulate wear

HIGH GLOSS, LOW DRAG SURFACE

Reducing the amount of energy required to operate the equipment

MAXIMIZING YOUR APPLICATIONS

- Pump cases
- Pumps & Valves
- Wear plates
- Heat exchangers
- Slurry systems
- Impellers
- Immersion applications
- Chemical attack
- High wear & erosion
- Sliding abrasion

CURING TIMES (25°C)

Dry-to-touch	2 hrs
No loading or immersion	5 hrs
Machining or light loading	8 hrs
Full mechanical load	24 hrs
Full chemical	288 hrs
Dry Film Thickness	400 µm

PROPERTIES

Adhesion ASTM D4541	33 Mpa >4700 psi
Abrasion resistance ASTM D4060	15 mm ³ CS17 (dry)
Compressive Strength ASTM D695	72 Mpa >10400 psi
Hardness (Shore D) ASTM D2240	84
Tensile Strength ASTM D638	46 Mpa >6600 psi
Flexural Strength ASTM D790	43 Mpa >6200 psi
Impact Resistance ASTM D256	6.0 kJ/m ²
Temperature Resistance ASTM D 3418	120 °C 248 °F
Heat Resistance	200 °C 392 °F

THEORETICAL COVERAGE @ 400 µm

1 kg covers	1.67 m ²
5 kg covers	8.35 m ²

WINDOW RECOAT

Minimum	2 hrs
Maximum	24 hrs

PACKING

DATA

DGC 1512.01	1 kg	Ratio Volume	4:1
DGC 1512.05	5 kg	Ratio Weight	7:1
DGC 1512.20	20 kg	Working time	25 mins
Shelf Life	24 months	Density A + B	1.5

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