

## DGC 1552

Is a 100% solids ceramic reinforced liquid polymer composite designed for applications under severe corrosion, erosion, chemical attack, and fine particle abrasion. It is formulated with fine ceramic fillers to provide a smooth, polished finish with high impermeability and abrasion resistance. It is a dual-component composite that offers excellent performance against the mentioned challenges.

### MAXIMIZING YOUR BENEFITS

#### SPRAYABLE

A simpler and faster way to protect your asset

#### HIGH FLOW, LOW DRAG SURFACE

Reducing the amount of energy required to operate the equipment

#### FINE CERAMIC FILLERS

Ideal for severe fine particulate wear

#### OUTSTANDING CHEMICAL AND ABRASION RESISTANCE

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

### MAXIMIZING YOUR APPLICATIONS

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

### CURING TIMES (25°C)

Dry-to-touch	1.5 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	500 µm

### PROPERTIES

Adhesion ASTM D4541	35 Mpa >5000 psi
Abrasion resistance ASTM D4060	6 mm <sup>3</sup> CS17 (dry)
Compressive Strength ASTM D695	110 Mpa >15900 psi
Hardness (Shore D) ASTM D2240 (24h)	80
Hardness (Shore D) ASTM D2240 (72h)	85
Tensile Strength ASTM D638	42 Mpa >6000 psi
Flexural Strength ASTM D790	121 Mpa >17500 psi
Temperature Resistance ASTM D 3418	120 °C 248 °F
Heat Resistance	200 °C 392 °F

### THEORETICAL COVERAGE @ 500 µm

### WINDOW RECOAT

1 kg covers	1,11 m <sup>2</sup>	Minimum	1.5 hrs
5 kg covers	5,55 m <sup>2</sup>	Maximum	24 hrs

### PACKING

### DATA

DGC 1552.01	1 kg	Ratio Volume	6:1
DGC 1552.05	5 kg	Ratio Weight	11:1
DGC 1552.20	20 kg	Working time	20 mins
Shelf Life	24 months	Density A + B	1.80

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