

### DGC 1612

Is our dual-component, sprayable, ceramic-reinforced liquid polymer composite for applications in environments exposed to extreme erosion corrosion, and chemical attack. It is designed with micro-ceramic fillers and provides a smooth, polished finish with exceptional chemical and abrasion resistance, and it is ideal for immersion and dry services.

#### MAXIMIZING YOUR BENEFITS

##### 100% SOLIDS; NO VOCs

Making it a great choice for any environmentally friendly project

##### OUTSTANDING CHEMICAL AND ABRASION RESISTANCE

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

##### MICRO CERAMIC FILLERS

Ideal for fine particulate wear applications

##### HIGH GLOSS, LOW DRAG SURFACE

Reducing the amount of energy required to operate the equipment

#### MAXIMIZING YOUR APPLICATIONS

- Storage tanks
- Secondary containments
- Pumps & Valves
- Heat exchangers
- Slurry systems
- Pipelines
- Immersion applications
- Chemical attack
- High wear & abrasion
- Mechanical impact

#### CURING TIMES (25°C)

Dry-to-touch	2 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	32 Mpa >4600 psi
Abrasion resistance ASTM D4060	12 mm <sup>3</sup> CS17 (dry)
Compressive Strength ASTM D695	64 Mpa >9200 psi
Hardness (Shore D) ASTM D2240	83
Tensile Strength ASTM D638	45 Mpa >6500 psi
Flexural Strength ASTM D790	45 Mpa >6500 psi
Impact Resistance ASTM D256	9.0 kJ/m <sup>2</sup>
Temperature Resistance ASTM D 3418	120 °C 248 °F
Heat Resistance	200 °C 392 °F

#### THEORETICAL COVERAGE @ 500 µm

#### WINDOW RECOAT

1 kg covers	1,43 m <sup>2</sup>	Minimum	2 hrs
5 kg covers	7,15 m <sup>2</sup>	Maximum	24 hrs

#### PACKING

#### DATA

DGC 1612.01	1 kg	Ratio Volume	4:1
DGC 1612.05	5 kg	Ratio Weight	5.8:1
DGC 1612.20	20 kg	Working time	20 mins
Shelf Life	24 months	Density A + B	1.40

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