

Is a large particulate reinforced polymer composite designed with a unique blend of ceramic fillers for your applications under extreme cavitation, corrosion, erosion, and sliding abrasion wear, particularly when caused by large and coarse particulates. This engineered polymer meets the demands of your environment, even under the most challenging conditions.

### MAXIMIZING YOUR BENEFITS

#### LARGE CERAMIC FILLERS

ideal for severe large particulate wear

#### UNIQUE CERAMIC BLEND

formulated for extreme cavitation applications

#### 100% SOLIDS; NO VOCS

Making it a great choice for any environmentally friendly project

#### HIGH BUILD

ideal for repair and rebuild applications

### MAXIMIZING YOUR APPLICATIONS

- Pump cases
- Pumps & Valves
- Wear plates
- Heat exchangers
- Slurry systems
- Impellers
- Immersion applications
- Cyclones
- Crushers
- High wear & erosion

### THEORETICAL COVERAGE @ 3500 µm

1 kg covers	0,14 m <sup>2</sup>
5 kg covers	0,70 m <sup>2</sup>

### WINDOW RECOAT

Minimum	1 hr
Maximum	12 hrs

### PACKING

### DATA

DGC 1911.01	1 kg	Ratio Volume	5:1
DGC 1911.05	5 kg	Ratio Weight	6:1
DGC 1911.20	20 kg	Working time	25 mins
Shelf Life	24 months	Density A + B	2.05

### CURING TIMES (25°C)

Dry-to-touch	1 hr
No loading or immersion	4 hrs
Machining or light loading	5 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	48 mm <sup>3</sup> H10 (wet)
Compressive Strength ASTM D695	85 Mpa >12300 psi
Hardness (Shore D) ASTM D2240	87
Tensile Strength ASTM D638	17 Mpa >2400 psi
Flexural Strength ASTM D790	37 Mpa >5300 psi
Impact Resistance ASTM D256	2.0 kJ/m <sup>2</sup>
Temperature Resistance ASTM D 3418	100 °C 212 °F
Heat Resistance	180 °C 356 °F

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