

Is a 100% solid, metallic, and ceramic-reinforced polymer composite for compression, corrosion, abrasion, and erosion damage repair, designed with a high content of blended fillers to provide a surface with outstanding resistance for your applications under extreme operational conditions. DGC5211 provides surprisingly high abrasion resistance for a metal repair and rebuild composite.

MAXIMIZING YOUR BENEFITS

METALLIC REINFORCEMENT

Ideal for repair and rebuild services

FINE METALLIC FILLERS

For castable and machinable services

OUTSTANDING COMPRESSION RESISTANCE

Ideal for applications under severe loads

EXCELLENT ABRASION RESISTANCE

Making it an excellent choice for protecting your assets

MAXIMIZING YOUR APPLICATIONS

- Pneumatic conveyors
- Pipe elbow
- Engine blocks
- Hydraulic pistons
- Surface leveling
- Wear plates
- Rebuild of metal surfaces
- Repair of damaged shafts
- Pump casings
- Turbo separators

CURING TIMES (25°C)

Dry-to-touch	2 hrs
No loading or immersion	4 hrs
Machining or light loading	5 hrs
Full mechanical load	24 hrs
Full chemical	270 hrs
Dry Film Thickness	600 µm

PROPERTIES

Adhesion ASTM D4541	25 Mpa >3600 psi
Compressive Strength ASTM D695	127 Mpa >18400 psi
Hardness (Shore D) ASTM D2240 (24h)	85
Hardness (Shore D) ASTM D2240 (72h)	90
Tensile Strength ASTM D638	44 Mpa >6400 psi
Flexural Strength ASTM D790	89 Mpa >12900 psi
Impact Resistance ASTM D256	2.5 kJ/m ²
Temperature Resistance ASTM D 3418	80 °C 176 °F
Heat Resistance	200 °C 392 °F

THEORETICAL COVERAGE @ 600 µm

1 kg covers	0,62 m ²
5 kg covers	3,10 m ²

WINDOW RECOAT

Minimum	2 hrs
Maximum	24 hrs

PACKING

DATA

DGC 5211.01	1 kg	Ratio Volume	8:1
DGC 5211.05	5 kg	Ratio Weight	20:1
DGC 5211.20	20 kg	Working time	25 mins
Shelf Life	24 months	Density A + B	2.70

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