

DGC 5511

Is a 100% solids, solvent, and VOC-free, metallic-reinforced polymer composite developed for emergency or quick permanent repairs. DGC5511 was designed with metallic fillers and special modifiers to provide a permanent metal bonding, repair, or rebuilding solution for your quick repair applications while providing outstanding protection against corrosion, erosion, and abrasion.

MAXIMIZING YOUR BENEFITS

ULTRA-FAST CURING

For an extremely fast return to service of your asset

FINE METALLIC FILLERS

For castable and machinable services

GREAT COMPRESSION AND ABRASION RESISTANCE

Ideal for applications under severe loads and high abrasion

100% SOLIDS; NO VOCs

Making it a great choice for any environmentally friendly project

MAXIMIZING YOUR APPLICATIONS

- Flanges
- Hydraulic pistons
- Pipes
- Engine blocks
- Rebuild of metal surfaces
- Metal joints
- Pump casings
- Tank roofs
- Scored hydraulic rams
- Repair of damaged shafts

CURING TIMES (25°C)

Dry-to-touch	15 mins
No loading or immersion	25 mins
Machining or light loading	45 mins
Full mechanical load	24 hrs
Full chemical	270 hrs
Dry Film Thickness	500 µm

PROPERTIES

Adhesion ASTM D4541	18 Mpa >2600 psi
Compressive Strength ASTM D695	83 Mpa >12000 psi
Hardness (Shore D) ASTM D2240 (24h)	78
Hardness (Shore D) ASTM D2240	83
Tensile Strength ASTM D638	42 Mpa >6000 psi
Flexural Strength ASTM D790	61 Mpa >8900 psi
Impact Resistance ASTM D256	2.0 kJ/m ²
Temperature Resistance ASTM D 3418	90 °C 194 °F
Heat Resistance	170 °C 338 °F

THEORETICAL COVERAGE @ 500 µm

WINDOW RECOAT

1 kg covers	0.77 m ²	Minimum	15 mins
5 kg covers	3.85 m ²	Maximum	45 mins

PACKING

DATA

DGC 5511.01	1 kg	Ratio Volume	2:1
DGC 5511.05	5 kg	Ratio Weight	5:1
DGC 5511.20	20 kg	Working time	4 mins
Shelf Life	24 months	Density A + B	2.60

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