

DGC 5411

Is a fast-curing metallic-reinforced polymer composite designed with excellent mechanical properties to provide protection against corrosion erosion and chemical attack. Ideal for resurfacing corroded and pitted metallic surfaces and worn metal parts that require recasting or machining to close tolerances, DGC5411 was developed with special metallic fillers to provide easy machining after curing.

MAXIMIZING YOUR BENEFITS

FAST CURING

For a quick return to service of your asset

METALLIC FILLERS BLEND

For castable and machinable services

100% SOLIDS; NO VOCs

Making it a great choice for any environmentally friendly project

EASY TO MIX AND APPLY

Requires no special tools or skills, perfect for repair services

MAXIMIZING YOUR APPLICATIONS

- Structural repairs
- Wall-loss repairs
- Rebuild of metal surfaces
- Hydraulic pistons
- Flange repair
- Pump casings
- Wear plates
- Repair of damaged shafts
- Pump casings
- Turbo separators

CURING TIMES (25°C)

Dry-to-touch	2 hrs
No loading or immersion	2 hrs
Machining or light loading	3 hrs
Full mechanical load	24 hrs
Full chemical	270 hrs
Dry Film Thickness	600 µm

PROPERTIES

Adhesion ASTM DA4541	25 Mpa >3600 psi
Compressive Strength ASTM D695	78 Mpa >113000 psi
Hardness (Shore D) ASTM D2240 (24h)	85
Hardness (Shore D) ASTM D2240 (72h)	90
Tensile Strength ASTM D638	32 Mpa >4600 psi
Flexural Strength ASTM D790	54 Mpa >7800 psi
Impact Resistance ASTM D256	5.0 kJ/m ²
Temperature Resistance ASTM D 3418	80 °C 176 °F
Heat Resistance	200 °C 392 °F

THEORETICAL COVERAGE @ 600 µm

WINDOW RECOAT

1 kg covers	0,64 m ²	Minimum	2 hrs
5 kg covers	3,20 m ²	Maximum	24 hrs

PACKING

DATA

DGC 5411.01	1 kg	Ratio Volume	2:1
DGC 5411.05	5 kg	Ratio Weight	4:1
DGC 5411.20	20 kg	Working time	15 mins
Shelf Life	24 months	Density A + B	2.60

ZAMBIA
 DICKINSON COPPERBELT SERVICES LTD
 DGC WORKFORCE SOLUTIONS

T +260 76 183 2470
 T +260 96 552 4350
 T +260 96 146 6000
 E contactus@dgc-africa.com

Plot 2394,
 Freedom Way,
 Mufulira

DRC
 DGC AFRICA (DRC) S.A.S
 SARENS DRC S.A.S. (DRC)

T +243 89 964 9493
 T +243 89 342 9009
 T +243 89 403 1340
 E contactus@dgc-africa.com

199 Avenue Mubanzo Quartier Golf Malela,
 Commune Lubumbashi,
 Province du Haut-Katanga

MADAGASCAR
 DGC MADAGASCAR SA

T +27 (0) 82 319 8005
 T +27 (0) 79 016 9868
 T +261 32 112 2122
 E contactus@dgc-africa.com

Lot Ivx 30 Bis Ankazomanga rue Dr
 Raseta Antananarivo, 101
 Madagascar

