

Is an engineered dual-component ceramic reinforced polymer composite specifically designed for your applications under severe sliding abrasion wear caused by coarse particles. This innovative polymer matrix incorporates a unique blend of ceramic fillers to enhance the protection of surfaces against severe abrasive and erosion attacks.

MAXIMIZING YOUR BENEFITS

100% SOLIDS; NO VOCs

Making it a great choice for any environmentally friendly project

OUTSTANDING SLIDING ABRASION RESISTANCE

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

LARGE CERAMIC FILLERS

Ideal for large particulate wear applications

HIGH GLOSS, LOW DRAG SURFACE

Reducing the amount of energy required to operate the equipment

MAXIMIZING YOUR APPLICATIONS

- Pump cases
- Pipe bends
- Pumps & Valves
- Wear plates
- Slurry systems
- Mixing vessels
- Magnetic separators
- Severe cavitation
- High wear & erosion
- Sliding abrasion

THEORETICAL COVERAGE @ 3500 µm

1 kg covers	0.13 m ²
5 kg covers	0.65 m ²

WINDOW RECOAT

Minimum	2 hrs
Maximum	24 hrs

PACKING

DATA

DGC 1411.01	1 kg	Ratio Volume	4:1
DGC 1411.05	5 kg	Ratio Weight	5:8:1
DGC 1411.20	20 kg	Working time	20 mins
Shelf Life	24 months	Density A + B	2.15

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	3500 µm

PROPERTIES

Adhesion ASTM D4541	21 Mpa >3000 psi
Abrasion resistance ASTM D4060	50 mm ³ H10 (wet)
Compressive Strength ASTM D695	85 Mpa >12300 psi
Hardness (Shore D) ASTM D2240	83
Tensile Strength ASTM D638	26 Mpa >3700 psi
Flexural Strength ASTM D790	120 Mpa >17400 psi
Impact Resistance ASTM D256	1.8 kJ/m ²
Temperature Resistance ASTM D 3418	120 °C 248 °F
Heat Resistance	200 °C 392 °F

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

