

Fast-curing machinable composite repair to close tolerances

max5411 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, max5411 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

when low close tolerance machining is required

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
- Machinable parts
- Wear plates
- Repair of damaged shafts
- Pump casings
- Turbo separators

THEORETICAL COVERAGE @ 600 µm

1 kg covers 0.64 m²

5 kg covers 3.20 m²

PACKING

MAX 5411.01	1 kg
MAX 5411.05	5 kg
MAX 5411.20	20 kg
Shelf Life	24 months

WINDOW RECOAT

Minimum	2 hours
Maximum	24 hours

DATA

Ratio Volume	2:1
Ratio Weight	4:1
Working time	15 minutes
Density A + B	2.60

CURING TIMES (25 °C)

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

PROPERTIES

Adhesion ASTM D4541	25 Mpa >3600 psi
Compressive Strength ASTM D695	78 Mpa >11300 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

