

## Low drag, repair composite for erosion and chemical protection

**max1512** is an engineered dual-component low-drag, ceramic-reinforced liquid polymer composite designed with a low-viscosity, high-solids modified epoxy resin. This innovative polymer incorporates fine ceramic fillers to protect surfaces exposed to services under extreme chemical attack, severe erosion, corrosion, and light abrasion environments.

### Maximizing your benefits

#### Sprayable

A simpler and faster way to protect your asset

#### Outstanding chemical and abrasion resistance

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

#### Fine ceramic fillers

Ideal for severe fine particulate wear

#### High gloss, low drag surface

Reducing the amount of energy required to operate the equipment

### Maximizing your applications

- Pump cases
- Pumps & Valves
- Wear plates
- Heat exchangers
- Slurry systems
- Impellers
- Immersion applications
- Chemical attack
- High wear & erosion
- Sliding abrasion

#### THEORETICAL COVERAGE @ 400 $\mu$ m

1 kg covers 1.67 m<sup>2</sup>

5 kg covers 8.35 m<sup>2</sup>

#### PACKING

MAX 1512.01 1 kg

MAX 1512.05 5 kg

MAX 1512.20 20 kg

Shelf Life 24 months

#### WINDOW RECOAT

Minimum 2 hours

Maximum 24 hours

#### DATA

Ratio Volume 4:1

Ratio Weight 7:1

Working time 25 minutes

Density A + B 1.5

#### CURING TIMES (25 °C)

Dry-to-touch	2 hours
No loading or immersion	5 hours
Machining or light loading	8 hours
Full mechanical load	24 hours
Full chemical	288 hours
Dry Film Thickness	400 $\mu$ m

#### PROPERTIES

Adhesion ASTM D4541	33 Mpa >4700 psi
Abrasion resistance ASTM D4060	15 mm <sup>3</sup> CS17 (dry)
Compressive Strength ASTM D695	72 Mpa >10400 psi
Hardness (Shore D) ASTM D2240	84
Tensile Strength ASTM D638	46 Mpa >6600 psi
Flexural Strength ASTM D790	43 Mpa >6200 psi
Impact Resistance ASTM D256	6.0 kJ/m <sup>2</sup>
Temperature Resistance ASTM D 3418	120 °C 248°F
Heat Resistance	200 °C 392°F

