

Extreme corrosion-erosion and chemical environments

max1612 is our dual-component, sprayable, ceramic-reinforced liquid polymer composite for applications in environments exposed to extreme erosion corrosion, and chemical attack. It is designed with micro-ceramic fillers and provides a smooth, polished finish with exceptional chemical and abrasion resistance, and it is ideal for immersion and dry services.

Maximizing your benefits

100% solids; no VOCs

Making it a great choice for any environmentally friendly project

Outstanding chemical and abrasion resistance

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

Micro ceramic fillers

Ideal for fine particulate wear applications

High gloss, low drag surface

Reducing the amount of energy required to operate the equipment

Maximizing your applications

- Storage tanks
- Secondary containments
- Pumps & Valves
- Heat exchangers
- Slurry systems
- Pipelines
- Immersion applications
- Chemical attack
- High wear & abrasion
- Mechanical impact

THEORETICAL COVERAGE @ 500 µm

1 kg covers 1,43 m²

5 kg covers 7,15 m²

PACKING

MAX 1612.01 1 kg

MAX 1612.05 5 kg

MAX 1612.20 20 kg

Shelf Life 24 months

WINDOW RECOAT

Minimum 2 hours

Maximum 24 hours

DATA

Ratio Volume 4:1

Ratio Weight 5.8:1

Working time 20 minutes

Density A + B 1.40

CURING TIMES (25 °C)

Dry-to-touch	2 hours
No loading or immersion	4 hours
Machining or light loading	6 hours
Full mechanical load	24 hours
Full chemical	270 hours
Dry Film Thickness	500 µm

PROPERTIES

Adhesion ASTM D4541	32 Mpa >4600 psi
Abrasion resistance ASTM D4060	12 mm ³ CS17 (dry)
Compressive Strength ASTM D695	64 Mpa >9200 psi
Hardness (Shore D) ASTM D2240	83
Tensile Strength ASTM D638	45 Mpa >6500 psi
Flexural Strength ASTM D790	45 Mpa >6500 psi
Impact Resistance ASTM D256	9.0 kJ/m ²
Temperature Resistance ASTM D 3418	120 °C 248°F
Heat Resistance	200 °C 392°F

