



maxceramic

Abrasion, and Impact Resistant, Ceramic-Reinforced Polymers

www.maxepoxy.com



MAXIMIZING ASSET EFFICIENCY

☐ MAXMETAL

☒ MAXCERAMIC

☐ MAXPRIMER

☐ MAXVISCO

☐ MAXCOMP

Abrasion, and Impact Resistant, Ceramic-Reinforced Polymers

Dual-component polymer composite line of protective coatings, specially developed for extreme corrosion, chemical attack, erosion, cavitation, repeated impact and severe abrasive operations. For metal and concrete sealing, bonding, repairs, and structural rebuild in extreme abrasive and corrosion environments.

✦ Designed with our unique blend of modifiers and ceramic fillers

- Corrosion & chemical attack
- Erosion, cavitation
- Severe abrasive operations

✦ Metal and concrete sealing, bonding, repairs, and structural rebuild

- Extreme abrasion wear
- Chemical attack
- High compressive strength
- Severe impact protection
- Erosion and corrosion damage repair

✦ For extreme abrasive and corrosive environments

MaxApplications:

Storage Tanks & Pipes
Heat exchangers
Pumps & Valves
Concrete & Steel – Structural
Chemical Attack
Immersion applications
Boilers & Furnaces



MAXCORROSION



MAXWEAR



MAXFRICTION



MAXABRASION



MAXCAVITATION



MAXCHEMICAL



MAXIMPACT



MAXTEMPERATURE



MAXEROSION



MAXEPOXY® MAX1211

A solvent and VOC-free ceramic-reinforced polymer composite for your applications under severe sliding abrasion caused by fine particles. Its unique blend of fine fillers design improves laminar flow. **Ideal for protecting against severe abrasion and corrosion.**

- Sliding abrasion resistance;
- Improves laminar flow;
- Single coating application;
- Ceramic reinforced;
- High build;
- Extends equipment life.



MAXEPOXY® MAX1411

A dual-component ceramic reinforced polymer composite for your applications under severe sliding abrasion wear caused by coarse particles and designed with a unique blend of ceramic fillers **ideal for protecting surfaces against severe abrasive attack.**

- Sliding abrasion resistance;
- Large ceramic fillers;
- Ideal for coarse particulate wear;
- Ceramic reinforced;
- High build;
- Extreme cavitation resistance.



MAXEPOXY® MAX1311

A dual-component ultra-fast curing, ceramic reinforced polymer composite for your applications under severe sliding abrasion wear caused by midsize particulate. Designed with special medium-sized fillers **ideal for extreme abrasion and corrosion environments.**

- Ultra-fast curing;
- Sliding abrasion resistance;
- Ideal for medium particulate wear;
- Ceramic reinforced;
- High build;
- Quick return to service.



MAXEPOXY® MAX1511

A dual component repair and rebuild ceramic reinforced polymer composite for moderate abrasion, severe corrosion, erosion, and chemical protection, designed with medium-viscosity modified epoxy resin and fine ceramic fillers.

- Outstanding adhesion;
- High abrasion protection;
- Severe corrosion protection;
- Extreme chemical resistance;
- Fine ceramic fillers;
- High compression strength.





MAXEPOXY® MAX1512

A dual-component low-drag, ceramic reinforced liquid polymer composite designed with a low-viscosity, high-solids modified epoxy resin and fine ceramic fillers **ideal for services under extreme chemical attack, severe erosion, corrosion, and light abrasion.**

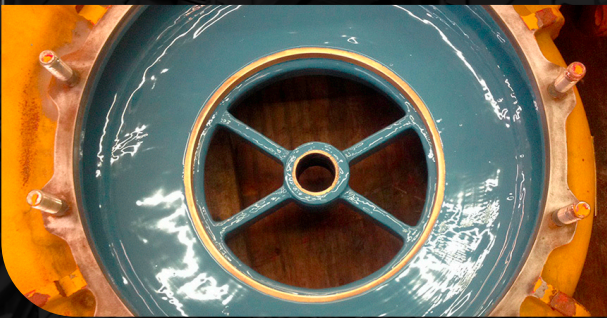
- Outstanding adhesion;
- Extreme abrasion protection;
- Severe corrosion protection;
- High chemical resistance;
- Fine ceramic fillers;
- Sprayable.



MAXEPOXY® MAX1552

A 100% solids ceramic reinforced liquid polymer composite for your applications **under severe corrosion, erosion, chemical attack, and fine particle abrasion**, polished finish with high impermeability and abrasion resistance.

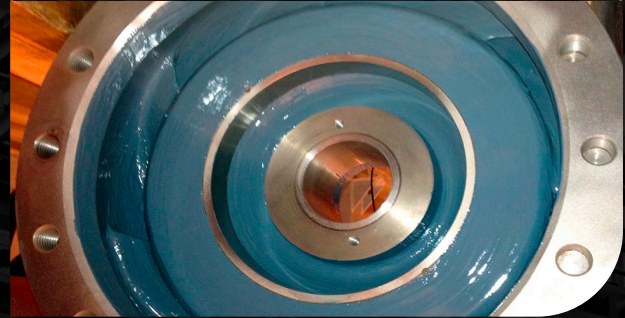
- High impermeability;
- Superior improved flow;
- Smooth, polished finish;
- Ceramic reinforced;
- Extreme abrasion resistance;
- High compressive strength.



MAXEPOXY® MAX1612

A sprayable, ceramic-reinforced liquid polymer composite for applications in environments exposed to **extreme corrosion, erosion and chemical attack**, designed with micro-ceramic fillers, it provides a smooth, polished finish with exceptional chemical and abrasion resistance.

- Outstanding abrasion protection;
- Extreme chemical protection;
- High corrosion-erosion protection;
- Smooth, polished finish;
- Micro-ceramic fillers;
- Dry and immersion environments.



MAXEPOXY® MAX1711

A new generation of high-shape memory hybrid resin, ceramic reinforced, polymer composite, designed with fine fillers for applications **exposed to continued extreme impact, severe fine particulate sliding abrasion, erosion, and corrosion.**

- High compressive strength;
- Sliding abrasion resistance;
- Extreme impact protection;
- Ceramic reinforced;
- High build;
- High memory hybrid resin.



MAXEPOXY® MAX1911

A large particulate reinforced polymer composite designed with a unique blend of ceramic fillers for **your applications under extreme cavitation, corrosion, erosion, and sliding abrasion wear caused by large and coarse particulates.**

- Extreme abrasion resistance;
- Extreme cavitation resistance;
- Excellent mechanical strength;
- Ceramic reinforced;
- High build;
- Repairs & rebuild.



MAXEPOXY® MAX2232

A sprayable, ceramic-reinforced liquid polymer **composite for severe corrosion, erosion, and chemical attack, ideal for immersion.** Designed with high solids content, modified phenol novolac epoxy resin, and fine ceramic fillers.

- Sprayable;
- Severe corrosion protection;
- Severe erosion protection;
- Extreme chemical protection;
- Fine ceramic fillers;
- Dry and immersion environments.



MAXEPOXY® MAX2361

A ceramic-reinforced polymer composite for dry and immersion, extreme corrosion, erosion, and chemical environments. Designed with high solids content novolac epoxy resin and fine ceramic fillers, **it provides a smooth, polished finish with exceptional wear and abrasion resistance.**

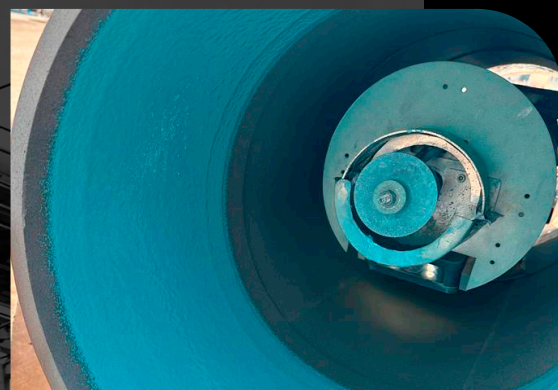
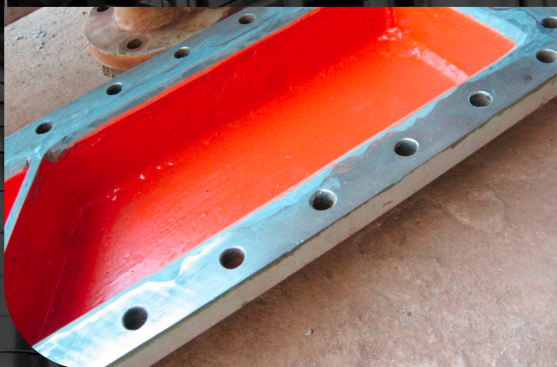
- Exceptional wear resistance;
- Extreme abrasion resistance;
- High corrosion-erosion protection;
- Increases laminar flow;
- Smooth, polished finish;
- Dry and immersion environments.



MAXEPOXY® MAX2332

A sprayable, low-viscosity, ceramic-reinforced liquid polymer **composite for extreme sliding abrasion wear, corrosion, erosion, and chemical attack in dry and immersion applications,** designed with a novolac epoxy resin and fine ceramic fillers.

- Extreme wear protection;
- Extreme chemical protection;
- Dry and immersion environments;
- Ceramic reinforced;
- Multi-substrate applications;
- Sprayable.



MAXEPOXY® MAX2612

A high-density crosslinked ceramic reinforced liquid polymer **composite sprayable for severe wear and chemical attack in dry and immersion applications. Ideal for reducing friction and wear due to turbulence.**

- Outstanding adhesion;
- Outstanding compression strength;
- Dry and immersion environments;
- Severe wear protection;
- Increases the laminar flow;
- High-density crosslinked.



MAXIMIZING ASSET EFFICIENCY

CAVITATION	LOW THICKNESS	HIGH BUILD	FAST CURING	LIQUID	PASTE	MILD SLIDING ABRASION	MODERATE SLIDING ABRASION	EXTREME SLIDING ABRASION	CHEM ATTACK	IMPACT	EROSION	PRODUCT
		●			●		●					MAX 1211
		●	●		●		●					MAX 1311
		●			●			●				MAX 1411
		●			●	●			●			MAX 1511
●	●			●		●			●		●	MAX 1512
●	●			●		●			●		●	MAX 1552
●	●			●		●			●		●	MAX 1612
		●			●			●		●		MAX 1711
		●			●			●				MAX 1911
●	●			●					●		●	MAX 2232
●	●			●					●		●	MAX 2332
	●				●				●			MAX 2361
		●		●					●			MAX 2612



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the digital catalog

maxceramic

Repair ceramic-reinforced composite for severe abrasion wear

max1211 is a solvent and VOC-free, ceramic-reinforced polymer composite specifically developed for repairing surfaces exposed to severe sliding abrasion caused by fine particles. This innovative polymer incorporates a unique blend of fine fillers to enhance the laminar flow of the material. It is ideal for protecting against severe abrasion and corrosion environments.

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

Ceramic reinforced polymer composite

Extends the equipment's life exposed to particle wear

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 @ 3000 µm

1 kg covers 0.16 m²

5 kg covers 0.80 m²

PACKING

MAX 1211.01	1 kg
MAX 1211.05	5 kg
MAX 1211.20	20 kg
Shelf Life	24 months

WINDOW RECOAT

Minimum	2 hours
Maximum	24 hours

DATA

Ratio Volume	3:1
Ratio Weight	3.5:1
Working time	20 minutes
Density A + B	2.15

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	3000 µm

PROPERTIES

Adhesion ASTM D4541	21 Mpa >3000 psi
Abrasion resistance ASTM D4060	45 mm ³ H10 (wet)
Compressive Strength ASTM D695	93 Mpa >13400 psi
Hardness (Shore D) ASTM D2240	83
Tensile Strength ASTM D638	37 Mpa >5300 psi
Flexural Strength ASTM D790	66 Mpa >9500 psi
Impact Resistance ASTM D256	2.0 kJ/m ²
Temperature Resistance ASTM D 3418	120 °C 248°F
Heat Resistance	200 °C 392°F



Ultra-fast curing for extreme sliding abrasion wear

max1311 is a dual-component ultra-fast curing, ceramic reinforced polymer composite specifically designed for your applications under severe sliding abrasion wear caused by midsize particulate. This innovative polymer incorporates a unique blend of special medium-sized fillers to enhance protection in extreme abrasion and corrosion environments.

Maximizing your benefits

Ultra-fast curing

For an extremely fast return to service of your asset

Mid-size ceramic fillers

Ideal for mid-size particulate wear applications

100% solids; no VOCs

Making it a great choice for any environmentally friendly project

Ceramic reinforced polymer composite

Extends the equipment's life exposed to particle wear

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 m²

5 kg covers 0.65 m²

PACKING

MAX 1311.01	1 kg
MAX 1311.05	5 kg
MAX 1311.20	20 kg
Shelf Life	24 months

WINDOW RECOAT

Minimum	1 hour
Maximum	12 hours

DATA

Ratio Volume	2:1
Ratio Weight	2:1
Working time	10 minutes
Density A + B	2.12

CURING TIMES (25 °C)

Dry-to-touch	1 hour
No loading or immersion	1.5 hours
Machining or light loading	2 hours
Full mechanical load	24 hours
Full chemical	270 hours
Dry Film Thickness	3500 μm

PROPERTIES

Adhesion ASTM D4541	14 Mpa >2000 psi
Abrasion resistance ASTM D4060	52 mm ³ H10 (wet)
Compressive Strength ASTM D695	90 Mpa >13000 psi
Hardness (Shore D) ASTM D2240	85
Tensile Strength ASTM D638	20 Mpa >2900 psi
Flexural Strength ASTM D790	39 Mpa >5600 psi
Impact Resistance ASTM D256	2.1 kJ/m ²
Temperature Resistance ASTM D 3418	120 °C 248°F
Heat Resistance	200 °C 392°F



Repair composite for extreme sliding abrasion wear

max1411 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 m²

5 kg covers 0.65 m²

PACKING

MAX 1411.01	1 kg
MAX 1411.05	5 kg
MAX 1411.20	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	2.15

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	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



Rebuild composite for abrasion and chemical protection

max1511 is an engineered dual-component ceramic reinforced polymer composite specifically designed to repair and rebuild components exposed to moderate abrasion, severe corrosion, erosion, and chemical attacks. This innovative polymer matrix is designed with medium-viscosity modified epoxy resin and fine ceramic fillers to enhance protection in harsh environments.

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

Ceramic reinforced polymer composite

Extends the equipment's life exposed to particle wear

Easy to mix and apply

Requires no special tools or skills, perfect for repair services

Maximizing your applications

- Storage tanks
- Secondary containments
- Pumps & Valves
- Wear plates
- Slurry systems
- Mixing vessels
- Heat exchangers
- Slurry systems
- High wear & erosion
- Mechanical impact

THEORETICAL COVERAGE @ 600 µm

1 kg covers 0.95 m²

5 kg covers 4.75 m²

PACKING

MAX 1511.01	1 kg
MAX 1511.05	5 kg
MAX 1511.20	20 kg
Shelf Life	24 months

WINDOW RECOAT

Minimum	2 hours
Maximum	24 hours

DATA

Ratio Volume	4:1
Ratio Weight	4.9:1
Working time	25 minutes
Density A + B	1.75

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	600 µm

PROPERTIES

Adhesion ASTM D4541	32 Mpa >4600 psi
Abrasion resistance ASTM D4060	18 mm ³ CS17 (dry)
Compressive Strength ASTM D695	86 Mpa >12400 psi
Hardness (Shore D) ASTM D2240	84
Tensile Strength ASTM D638	24 Mpa >3400 psi
Flexural Strength ASTM D790	42 Mpa >6000 psi
Impact Resistance ASTM D256	2.0 kJ/m ²
Temperature Resistance ASTM D 3418	125 °C 257°F
Heat Resistance	200 °C 392°F



Low drag, repair composite for erosion and chemical protection

max 1512 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 µm

1 kg covers 1.67 m²

5 kg covers 8.35 m²

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 µm

PROPERTIES

Adhesion ASTM D4541	33 Mpa >4700 psi
Abrasion resistance ASTM D4060	15 mm ³ 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 ²
Temperature Resistance ASTM D 3418	120 °C 248°F
Heat Resistance	200 °C 392°F



Repair composite for severe corrosion, erosion, and chemical attack

max1552 is a 100% solids ceramic reinforced liquid polymer composite designed for applications under severe corrosion, erosion, chemical attack, and fine particle abrasion. It is formulated with fine ceramic fillers to provide a smooth, polished finish with high impermeability and abrasion resistance. It is a dual-component composite that offers excellent performance against the mentioned challenges.

Maximizing your benefits

Sprayable

A simpler and faster way to protect your asset

High flow, low drag surface

Reducing the amount of energy required to operate the equipment

Fine ceramic fillers

Ideal for severe fine particulate wear

Outstanding chemical and abrasion resistance

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

Maximizing your applications

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

THEORETICAL COVERAGE @ 500 µm

1 kg covers 1,11 m²

5 kg covers 5,55 m²

PACKING

MAX 1552.01	1 kg
MAX 1552.05	5 kg
MAX 1552.20	20 kg
Shelf Life	24 months

WINDOW RECOAT

Minimum	1.5 hours
Maximum	24 hours

DATA

Ratio Volume	6:1
Ratio Weight	11:1
Working time	20 minutes
Density A + B	1.80

CURING TIMES (25 °C)

Dry-to-touch	1.5 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	35 Mpa >5000 psi
Abrasion resistance ASTM D4060	6 mm ³ CS17 (dry)
Compressive Strength ASTM D695	110 Mpa >15900 psi
Hardness (Shore D) ASTM D2240 (24h)	80
Hardness (Shore D) ASTM D2240 (72h)	85
Tensile Strength ASTM D638	42 Mpa >6000 psi
Flexural Strength ASTM D790	121 Mpa >17500 psi
Temperature Resistance ASTM D 3418	120 °C 248°F
Heat Resistance	200 °C 392°F



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



Hybrid repair composite for extreme impact and severe abrasion

max 1711 is a new generation of high shape-memory, hybrid resin polymer composite developed specially to increase surface protection against continued direct impact. This dual-component hybrid resin is reinforced with fine ceramic fillers ideal for applications exposed to severe fine particulate sliding abrasion, erosion, and corrosion.

Maximizing your benefits

Hybrid resin

Provides excellent impact resistance

Fine ceramic fillers

Ideal for severe fine particulate wear

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 manual applications

Maximizing your applications

- Pump cases
- Pipe bends
- Pumps & Valves
- Wear plates
- Magnetic separators
- Severe cavitation
- Workbenches
- Direct impacts
- Sliding abrasion
- Replacement of ceramic tiles

THEORETICAL COVERAGE @ 8000 μm

1 kg covers 0,06 m²

5 kg covers 0,3 m²

PACKING

MAX 1711.01	1 kg
MAX 1711.05	5 kg
MAX 1711.20	20 kg
Shelf Life	24 months

WINDOW RECOAT

Minimum	3 hours
Maximum	24 hours

DATA

Ratio Volume	6:1
Ratio Weight	11:1
Working time	40 minutes
Density A + B	2.15

CURING TIMES (25 °C)

Dry-to-touch	3 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	8000 μm

PROPERTIES

Adhesion ASTM D4541	21 Mpa >3000 psi
Abrasion resistance ASTM D4060	10 mm ³ H10 (wet)
Compressive Strength ASTM D695	73 Mpa >10600 psi
Hardness (Shore D) ASTM D2240	85
Tensile Strength ASTM D638	31 Mpa >4400 psi
Flexural Strength ASTM D790	63 Mpa >9100 psi
Impact Resistance ASTM D256	5.3 kJ/m ²
Temperature Resistance ASTM D 3418	120 °C 248°F
Heat Resistance	200 °C 392°F



Repair composite for extreme abrasion and cavitation

max1911 is a large particulate reinforced polymer composite designed with a unique blend of ceramic fillers for your applications under extreme cavitation, corrosion, erosion, and sliding abrasion wear, particularly when caused by large and coarse particulates. This engineered polymer meets the demands of your environment, even under the most challenging conditions.

Maximizing your benefits

Large ceramic fillers

ideal for severe large particulate wear

Unique ceramic blend

formulated for extreme cavitation applications

100% solids; no VOCs

Making it a great choice for any environmentally friendly project

High Build

ideal for repair and rebuild applications

Maximizing your applications

- Pump cases
- Pumps & Valves
- Wear plates
- Heat exchangers
- Slurry systems
- Impellers
- Immersion applications
- Cyclones
- Crushers
- High wear & erosion

THEORETICAL COVERAGE @ 3500 μm

1 kg covers 0,14 m²

5 kg covers 0,70 m²

PACKING

MAX 1911.01	1 kg
MAX 1911.05	5 kg
MAX 1911.20	20 kg
Shelf Life	24 months

WINDOW RECOAT

Minimum	1 hour
Maximum	12 hours

DATA

Ratio Volume	5:1
Ratio Weight	6:1
Working time	25 minutes
Density A + B	2.05

CURING TIMES (25 °C)

Dry-to-touch	1 hour
No loading or immersion	4 hours
Machining or light loading	5 hours
Full mechanical load	24 hours
Full chemical	270 hours
Dry Film Thickness	3500 μm

PROPERTIES

Adhesion ASTM D4541	14 Mpa >2000 psi
Abrasion resistance ASTM D4060	48 mm ³ H10 (wet)
Compressive Strength ASTM D695	85 Mpa >12300 psi
Hardness (Shore D) ASTM D2240	87
Tensile Strength ASTM D638	17 Mpa >2400 psi
Flexural Strength ASTM D790	37 Mpa >5300 psi
Impact Resistance ASTM D256	2.0 kJ/m ²
Temperature Resistance ASTM D 3418	100 °C 212 °F
Heat Resistance	180 °C 356 °F



Severe corrosion, erosion, and chemical attack environments

max2232 is a 100% solids, sprayable ceramic-reinforced, dual-component liquid polymer composite formulated with a modified phenol novolac epoxy resin and fine ceramic fillers. It is specifically designed to provide excellent laminar flow and protection against severe corrosion, erosion, and chemical attack, making it also ideal for continued immersion environments.

Maximizing your benefits

Sprayable

A simpler and faster way to protect your asset

Fine ceramic fillers

Ideal for severe fine particulate wear

Outstanding chemical and abrasion resistance

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

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
- Mixing vessels

THEORETICAL COVERAGE @ 250 µm

1 kg covers 2,86 m²

5 kg covers 14,30 m²

PACKING

MAX 2232.01	1 kg
MAX 2232.05	5 kg
MAX 2232.20	20 kg
Shelf Life	24 months

WINDOW RECOAT

Minimum	3.5 hours
Maximum	24 hours

DATA

Ratio Volume	4:1
Ratio Weight	5.8:1
Working time	35 minutes
Density A + B	1,40

CURING TIMES (25 °C)

Dry-to-touch	3.5 hours
No loading or immersion	4 hours
Machining or light loading	20 hours
Full mechanical load	48 hours
Full chemical	270 hours
Dry Film Thickness	250 µm

PROPERTIES

Adhesion ASTM D4541	27 Mpa >4600 psi
Abrasion resistance ASTM D4060	26 mm ³ CS17 (dry)
Compressive Strength ASTM D695	59 Mpa >9200 psi
Hardness (Shore D) ASTM D2240	83
Tensile Strength ASTM D638	26 Mpa >6500 psi
Flexural Strength ASTM D790	30 Mpa >4300 psi
Impact Resistance ASTM D256	4.0 kJ/m ²
Temperature Resistance ASTM D 3418	130 °C 266 °F
Heat Resistance	200 °C 392°F



Repair composite for extreme erosion and chemical protection

max2361 is a dual-component ceramic-reinforced polymer composite specifically designed for dry and immersion, extreme corrosion-erosion, and chemical environments. It is formulated with a high solids content a modified phenol novolac epoxy resin and fine ceramic fillers, resulting in a smooth and polished finish that offers exceptional flow and abrasion wear resistance.

Maximizing your benefits

Outstanding chemical and abrasion resistance

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

100% solids; no VOCs

Making it a great choice for any environmentally friendly project

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

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

THEORETICAL COVERAGE @ 500 μ m

1 kg covers 1,12 m²

5 kg covers 5,60 m²

PACKING

MAX 2361.01	1 kg
MAX 2361.05	5 kg
MAX 2361.20	20 kg
Shelf Life	24 months

WINDOW RECOAT

Minimum	2 hours
Maximum	24 hours

DATA

Ratio Volume	4:1
Ratio Weight	6,2:1
Working time	30 minutes
Density A + B	1.78

CURING TIMES (25 °C)

Dry-to-touch	2 hours
No loading or immersion	4 hours
Machining or light loading	20 hours
Full mechanical load	44 hours
Full chemical	270 hours
Dry Film Thickness	500 μ m

PROPERTIES

Adhesion ASTM D4541	21 Mpa >3000 psi
Abrasion resistance ASTM D4060	58 mm ³ CS17 (dry)
Compressive Strength ASTM D695	68 Mpa >9800 psi
Hardness (Shore D) ASTM D2240	86
Tensile Strength ASTM D638	26 Mpa >3700 psi
Flexural Strength ASTM D790	28 Mpa >4000 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



Sprayable high-density crosslinked polymer composite

max2612 is a high-density crosslinked ceramic reinforced dual component liquid polymer composite, sprayable and easy to use for severe wear and chemical attack in dry and immersion applications. It is designed with a medium-viscosity epoxy resin and fine ceramic fillers, making it ideal for increasing flow and reducing friction and wear due to turbulence.

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

Ceramic reinforced polymer composite

Extends the equipment's life exposed to particle wear

100% solids; no VOCs

Making it a great choice for any environmentally friendly project

Maximizing your applications

- Storage tanks
- Secondary containments
- Lining for pipelines
- Girth Welds
- Slurry systems
- Pumps & Valves
- Immersion applications
- Chemical attack
- High wear & abrasion
- Girth Welds

THEORETICAL COVERAGE @ 500 µm

1 kg covers 1,39 m²

5 kg covers 6,95 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	6.2:1
Working time	20 minutes
Density A + B	1.44

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	21 mm ³ CS17 (dry)
Compressive Strength ASTM D695	96 Mpa >13900 psi
Hardness (Shore D) ASTM D2240	86
Tensile Strength ASTM D638	41 Mpa >5900 psi
Flexural Strength (25 °C) ASTM D790	95 Mpa >13700 psi
Flexural Strength (140 °C) ASTM D790	103 Mpa >14900 psi
Temperature Resistance ASTM D 3418	120 °C 248°F
Heat Resistance	200 °C 392°F

