maxepoxy

PROTECTION & REPAIR TECHNOLOGY

WE GO ABOVE AND BEYOND BY PROVIDING INNOVATIVE SOLUTIONS

MAXEPOXY is a global company that products and services are meticulously engineered to not only meet but exceed the demands of the harshest industrial environments. With an unwavering commitment to quality, the company offer unparalleled resistance to a multitude of challenges including abrasion, erosion, corrosion and chemical attack.

WHO WE ARE?

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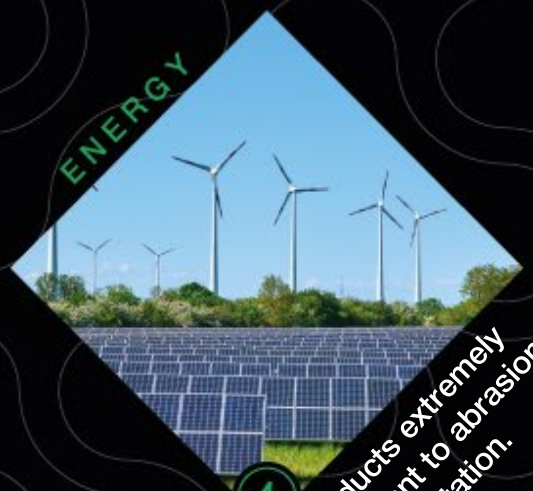
WHERE WE WORK?

INDUSTRIES

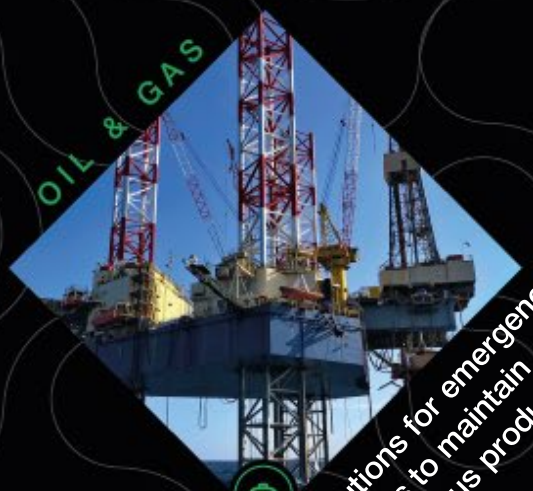
PETROCHEMICAL

Products extremely resistant to abrasion and cavitation.



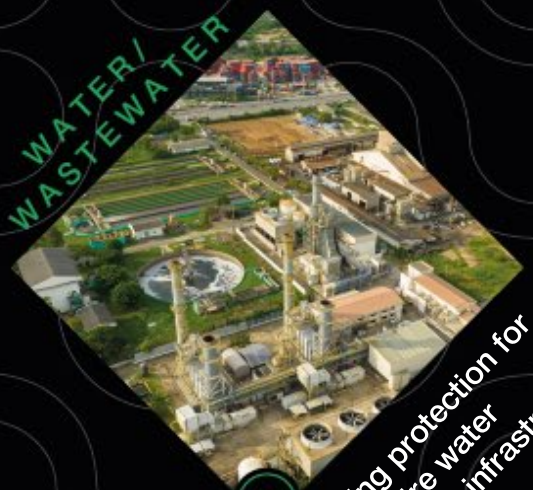
ENERGY

Products extremely resistant to abrasion and cavitation.



OIL & GAS

Solutions for emergency repairs to maintain continuous production.

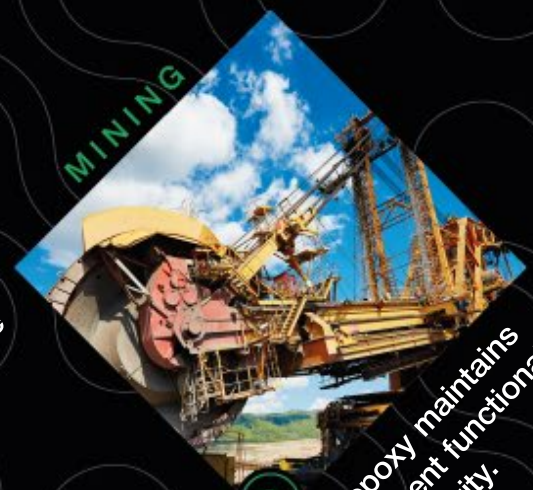


WATER/ WASTEWATER

Lasting protection for the entire water treatment infrastructure.

PULP & PAPER

Products designed to withstand high pressure and temperatures.



MINING

Maxepoxy maintains Equipment functionality and integrity.

MARINE

Products to combat severe corrosion and erosion.

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PHENOMENA

OVER 40 BILLION DOLLARS ARE LOST EVERY YEAR GLOBALLY FOR NOT USING CORROSION PROTECTION SYSTEMS.

THE MINING INDUSTRY LOSES OVER 200 BILLION DOLLARS DUE TO ABRASION WEAR.

60% OF ALL PIPELINE INCIDENTS ARE CAUSED BY CORROSION.

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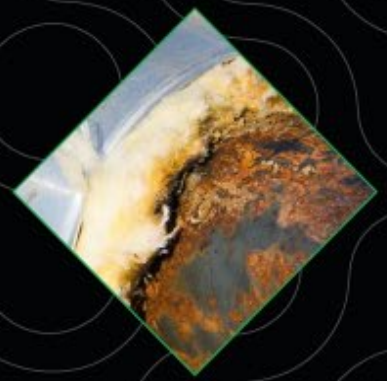
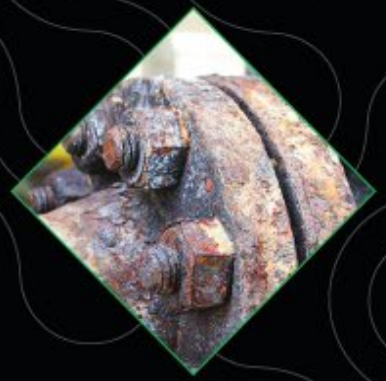
TYPES OF FAILURE AND CAUSES

Under film corrosion



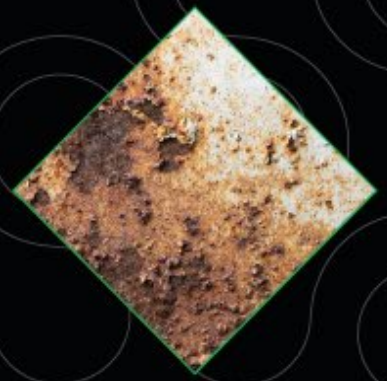
Corrosion under insulation

Wall loss

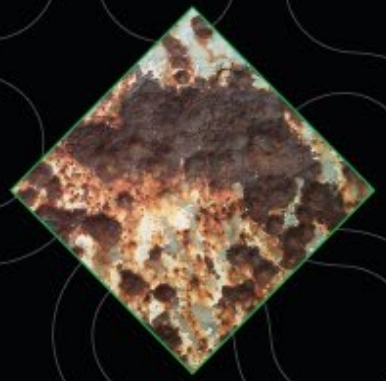


Strength loss

Laminar Flow loss

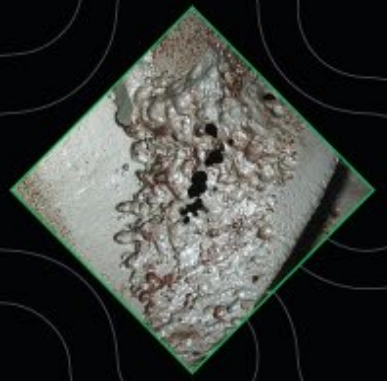


Clearance flow increase



Pitting

Concrete cracking



Cavitation

Diameter loss

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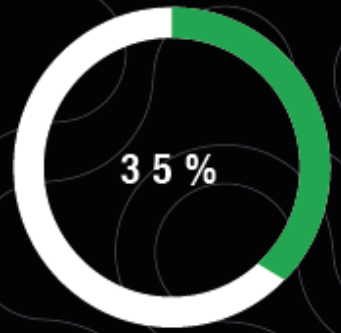
IMPORTANT DATA

Corrosion process cause 30% of global iron and steel production to be wasted.

The cost of corrosion varies between 1% and 5% of a country´s GDP, reaching $2.5 trillion worldwide.



By using available corrosion control practices, it is estimated that savings of between 15 and 35% of the cost of corrosion could be realized; US$375 and $875 billion annually on a global basis.

Relevant data

1. The salty, moist air of the ocean causes the metal **corrode 10 times faster** than air with levels normal salt. Air heavy in electrolytes with salt or moisture can lead to galvanic corrosion to hyperdrive.

2. The corrosion rate of steel in aggressive soil can be **100 times more corrosive** than under conditions favorable. Estimates suggest that the rate of corrosion of steel in soil ranges from 0.2 microns per year in soft soils at 20 microns per year in aggressive soils.

3. Between 2000 and 2013, there were **40 accidents** at oil refineries in the OECD countries, many of them serious, involving people or causing damage to environment.

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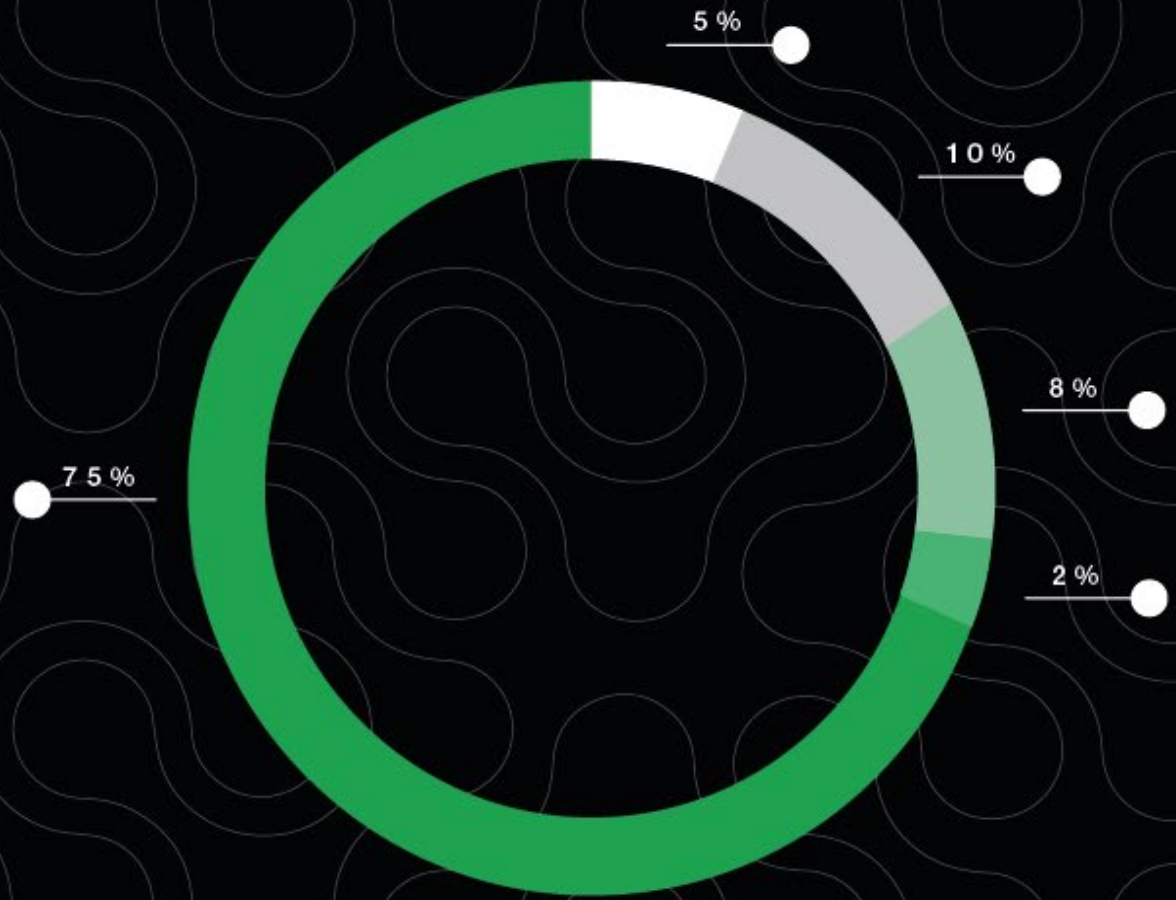
WHY COATING FAIL?



SURFACE PREPARATION

WRONG APPLICATION

COATING

ENVIRONMENTAL

WRONG COATING SELECTION

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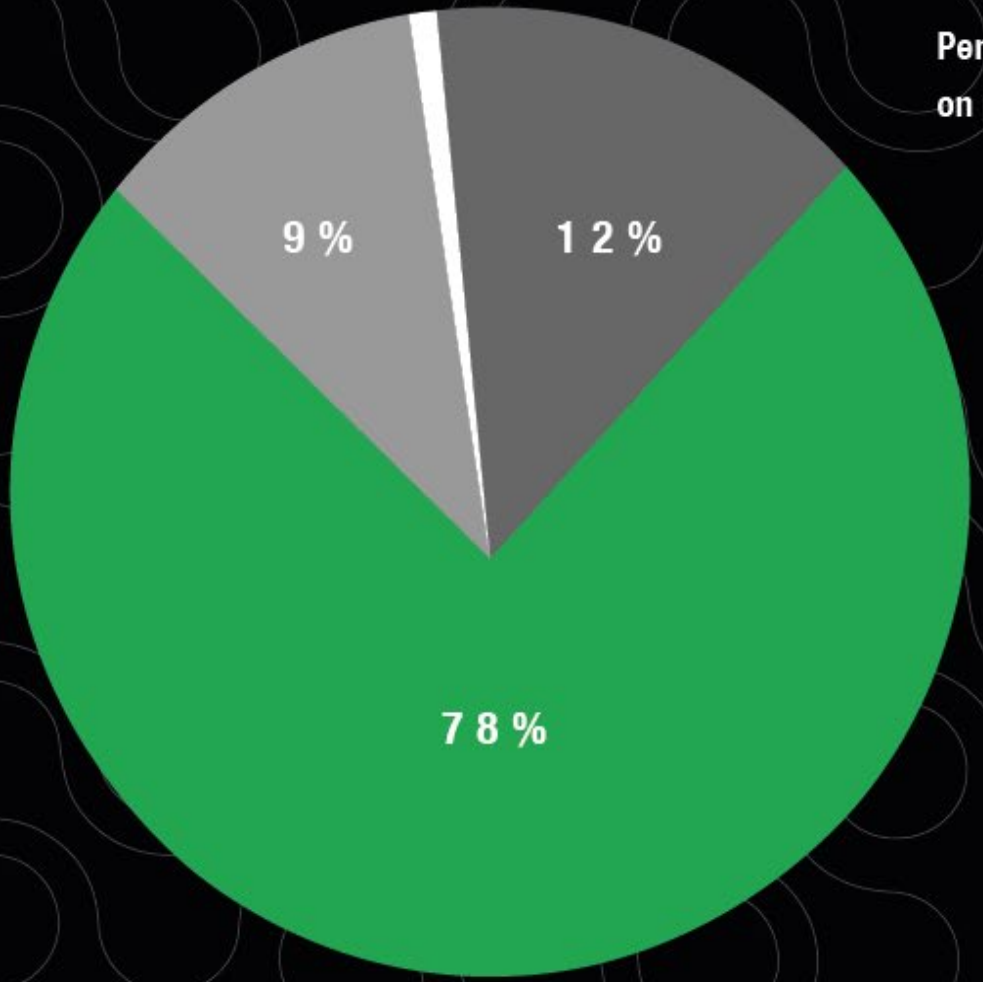
HOW COATING FAIL



Percentage distribution of root cause for corrosion on painted steel in ballast water tanks

- EDGE RETENTION
- WELD RETENTION
- LOW DFT
- OTHERS*

* Pre-treatment error, mechanical damage, galvanic corrosion, cut-edge, cracking, pinholes, chemical degradation

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WHY IS STRUCTURAL MAINTENANCE AND REINFORCEMENT SO IMPORTANT?

The Guardian

'Bhopal's tragedy has not stopped': the urban disaster still claiming lives 35 years on

"It was a penetration of large amounts of water into the tank with methyl isocyanate . The addition of water into the tank caused a runaway chemical reaction, resulting in a rapid rise in pressure and water. Heat generated by the reaction, chloroform concentrations higher than normal and the presence of an iron catalyst caused by the corrosion of the stainless steel tank wall, resulted in the opening of the safety valve." - Zoran

Bophal, India

JRC SCIENTIFIC AND POLICY REPORTS

Corrosion-Related Accidents in Petroleum Refineries

This study of corrosion-related accidents in refineries is based on 99 reports of important refinery accidents in which corrosion of an equipment part was identified or suspected as being the key failure leading to the accident event.

Only reports listed in open sources and produced by or with the collaboration of parties directly involved in the accident investigation were used.

OCDE Countries

NBC NEWS

Manufacturer Says Corrosion Caused Deadly Ride Accident at Ohio Fair

Corrosion "dangerously reduced" the thickness on the wall of the beam holding a passenger gondola on the swinging and spinning ride.

Columbus, USA

euronews.

Genoa bridge collapse: 59 people go on trial in Italy over 2018 disaster

"Italian engineering experts have heavy suspicions that corrosion to the bridge's steel cables contributed to the collapse, saying that it decreased the bridge's overall strength by 20%." - Global Resilience Institute at Northeastern University

Genoa, Italy

ALJAZEERA

Total guilty over Erika oil spill

"In an inspection in Portland in July 1994, holes were discovered in the main deck coaming, indicating that signs of corrosion were already in place more than five years before. It was also found that there were holes in both the portside and starboard inert gas system risers, which are critical items of safety equipment... There was yet more evidence of corrosion, with the ship's watertight doors not sealing properly and wasting on the door coamings." - Corrosion Doctors

Coast of Brittany, France

WHAT WE OFFER?

Maxepoxy - your best option on the world

High-tech products developed by qualified professionals

Innovative products that reduce emergency shutdown

Cost and time savings in asset maintenance

Greater prevention against environmental accidents

Greater security in employee activities

Improved asset performance and increased time between failures

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PRODUCT FAMILIES

maxmetal	METALLIC Reinforced Polymer
maxceramic	CERAMIC Reinforced Polymers
maxprimer	Surface-TOLERANT Coatings
maxcomp	COMPOSITE Repair System
maxvisco	VISCOELASTIC Coatings

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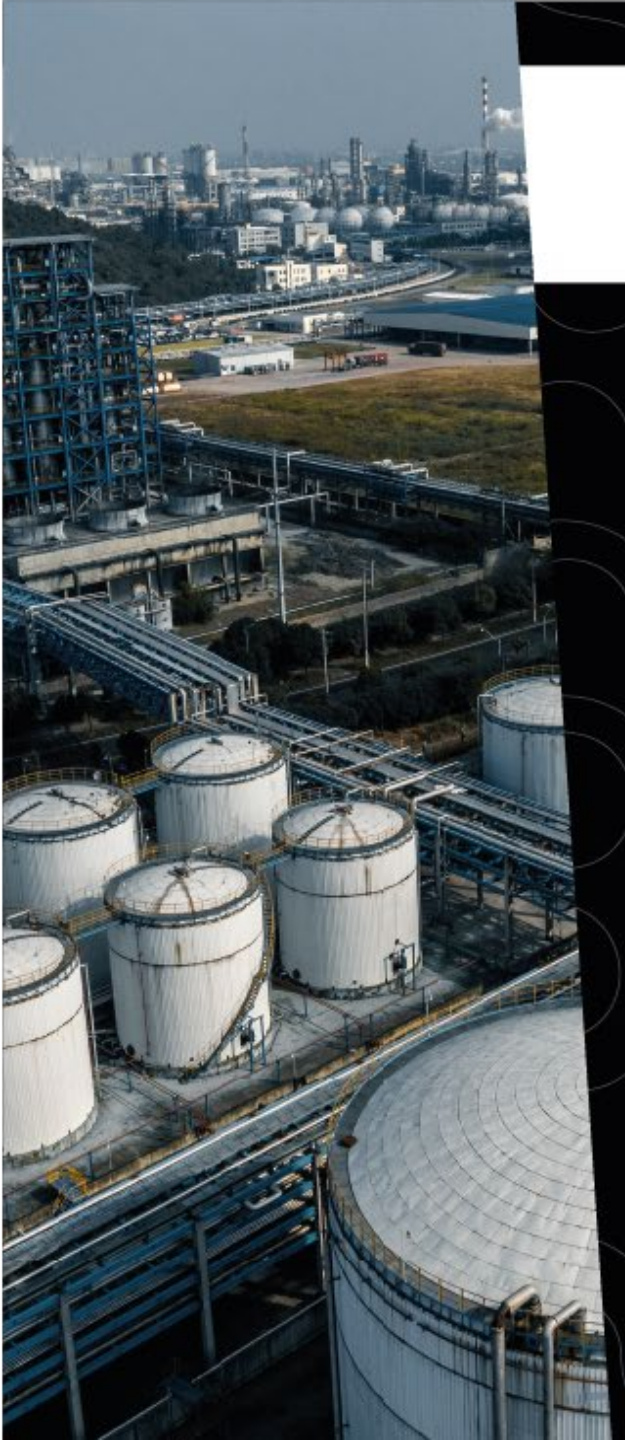

maxmetal

Compression and abrasion resistant, metallic-reinforced polymers

The utmost mechanical performance in mind

- For extreme compression and corrosion environments
- Designed with metallic fillers and special modifiers

Machinable and castable solutions in environments under severe mechanical requirements for

- Ultra-fast emergency and permanent repair
- Sealing, bonding, and structural rebuild
- Quick Machinable to close tolerances
- High-compression services
- Erosion and corrosion damage repair

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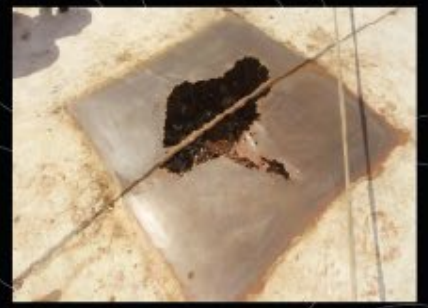
maxmetal APPLICATIONS

- Storage tanks & Pipes
- Heat exchangers
- Pumps & Valves
- Shafts & Roller
- Reactors
- Areas affected by:
  - High temperature
  - High wear & abrasion
  - Mechanical impact

1 LEAKS Emergency Repair
MAX5511 for Aircraft kerosene pipeline repair

2 Pipe repair – Cooling tower
Severe external corrosion
MAX 5111 for reconstruct wall-loss
MAX 5111 for reinforcement

3 Storage Tank - Roof
MAX 5111 with plate-bonding
No need for Hot Work permit
Functional repair in 2 hours



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maxmetal APPLICATIONS

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maxmetal max5111

Machinable metallic-reinforced polymer repair for high compression services

max5111 is a machinable metallic reinforced repair and rebuild polymer composite with outstanding mechanical properties, designed for extreme compression loads, with special metallic fillers to provide a surface with exceptional resistance to compression, max5111 is castable and easy to machine even to low tolerances for all your metal protection, repair and rebuild applications under extreme working conditions.

Maximizing your benefits

- Metallic reinforcement
Ideal for repair and rebuild Services
- Fine metallic fillers
For castable and machinable services
- Outstanding compression resistance
Ideal for applications under severe loads
- 100% solids; no VOCs
Making it a great choice for any environmentally friendly project

Maximizing your applications

- Hydro-cyclones
- Pipe elbow
- Engine blocks
- Hydraulic pistons
- Slurry pumps
- Wear plates
- Rebuild of metal surfaces
- Repair of damaged shafts
- Pump casings
- Turbo separators

THEORETICAL COVERAGE @ 800 µm

1 kg covers 0,46 m²
5 kg covers 2.30 m²

WINDOW RECOAT

Minimum 2 hours
Maximum 24 hours

DATA

Ratio Volume 8:1
Ratio Weight 23:1

CURING TIMES (25 °C)

Dry-to-touch 2 hours
Full mechanical load 24 hours

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PROTECTION & REPAIR TECHNOLOGY

maxmetal max 5211

Composite repair for compression and erosion damage

max5211 is a 100% solid, metallic, and ceramic-reinforced polymer composite for compression, corrosion, abrasion, and erosion damage repair, designed with a high content of blended fillers to provide a surface with outstanding resistance for your applications under extreme operational conditions. Max5211 provides surprisingly high abrasion resistance for a metal repair and rebuild composite.

Maximizing your benefits

- Metallic reinforcement
Ideal for repair and rebuild services
- Fine metallic fillers
For castable and machinable services
- Outstanding compression resistance
Ideal for applications under severe loads
- Excellent abrasion resistance
Making it an excellent choice for protecting your assets

Maximizing your applications

- Pneumatic conveyors
- Pipe elbow
- Engine blocks
- Hydraulic pistons
- Surface leveling
- Wear plates
- Rebuild of metal surfaces
- Repair of damaged shafts
- Pump casings
- Turbo separators

THEORETICAL COVERAGE @ 600 µm

1 kg covers 0,62 m²
5 kg covers 3,10 m²

WINDOW RECOAT

Minimum - 2 hours
Maximum - 24 hours

DATA

Ratio Volume 8:1
Ratio Weight 20:1

CURING TIMES (25 °C)

Dry-to-touch 2 hours
Full mechanical load 24 hours

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxmetal max5311

Composite repair for erosion-corrosion wear and high-compression services

max5311 is a repair and rebuild metallic and ceramic reinforced polymer composite for applications under extreme erosion, corrosion wear, and high compression loads. Designed with a unique blend of fillers, it's high density, and elevated charge of fillers make max5311 ideal for wall-loss repairs, filling voids, and leveling corroded and pitted surfaces.

Maximizing your benefits

- Metallic reinforcement
Ideal for repair and rebuild services
- High build composite
Ideal for wall loss recovery
- Outstanding compression resistance
Ideal for applications under severe loads
- 100% solids; no VOCs
Making it an excellent choice for protecting your assets

Maximizing your applications

- Wall-loss repairs
- Leveling corroded surfaces
- Engine blocks
- Hydraulic pistons
- Flanges
- Wear plates
- Rebuild of metal surfaces
- Repair of damaged shafts
- Pump casings
- Turbo separators

THEORETICAL COVERAGE @ 600 µm

1 kg covers 0,67 m²
5 kg covers 3,35 m²

WINDOW RECOAT

Minimum - 1 hours
Maximum – 12 hours

DATA

Ratio Volume 4:1
Ratio Weight 8:1

CURING TIMES (25 °C)

Dry-to-touch 2 hours
Full mechanical load 24 hours

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PROTECTION & REPAIR TECHNOLOGY

maxmetal max5411

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

- Metallic fillers blend
When low close tolerance machining is required
- Fast Curing
For a quick return to service of your asset
- Easy to mix and apply
Requires no special tools or skills, perfect for repair Services
- 100% solids; no VOCs
Making it an excellent choice for protecting your assets

Maximizing your applications

- Structural repairs
- Wall-loss repairs
- Rebuild of metal surfaces
- Hydraulic pistons
- Flanges repair
- Wear plates
- Rebuild of metal surfaces
- Repair of damaged shafts
- Pump casings
- Turbo separators

THEORETICAL COVERAGE @ 600 µm

1 kg covers 0,64 m²
5 kg covers 3,20 m²

WINDOW RECOAT

Minimum - 2 hours
Maximum – 12 hours

DATA

Ratio Volume 2:1
Ratio Weight 4:1

CURING TIMES (25 °C)

Dry-to-touch 2 hours
Full mechanical load 24 hours

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PROTECTION & REPAIR TECHNOLOGY

maxmetal max5412

Liquid machinable polymer composite repair to close tolerances

max5412 is a sprayable dual-component metallic reinforced high-performance liquid polymer composite for surface repairs, corrosion prevention, and protection against erosion abrasion and chemical attack, max5412 was designed with special metallic fillers to provide an elevated hardness and easy machining, allowing repairs that require a finish with close tolerances.

Maximizing your benefits

- Sprayable
A simpler and faster way to protect your asset
- Metallic fillers blend
When low close tolerance machining is required
- Easy to mix and apply
Requires no special tools or skills, perfect for applications by spray
- 100% solids; no VOCs
Making it an excellent choice for protecting your assets

Maximizing your applications

- Cyclones
- Exhausters
- Pipe elbows
- Wear plates
- Slurry pumps
- Pump casings
- Hydraulic pistons
- Repair of damaged shafts
- Structural repairs
- Turbo separators

THEORETICAL COVERAGE @ 250 μm

1 kg covers 3,08 m²
5 kg covers 15,40 m²

WINDOW RECOAT

Minimum - 2 hours
Maximum – 12 hours

DATA

Ratio Volume 4:1
Ratio Weight 9:1

CURING TIMES (25 °C)

Dry-to-touch 2 hours
Full mechanical load 24 hours

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PROTECTION & REPAIR TECHNOLOGY

maxmetal max5511

Ultra-fast curing, metallic-reinforced polymer compositecoating for emergency and per manent repair

max5511 is a 100% solids, solvent, and VOC-free, metallic-reinforced polymer composite developed for emergency or quick permanent repairs. max5511 was designed with metallic fillers and special modifiers to provide a permanent metal bonding, repair, or rebuilding solution for your quick repair applications while providing outstanding protection against corrosion, erosion, and abrasion.

Maximizing your benefits

- Ultra-fast curing
For an extremely fast return to service of your asset
- Fine metallic fillers
For castable and machinable services
- Great compression and abrasion resistance
Ideal for applications under severe loads and high abrasion
- 100% solids; no VOCs
Making it a great choice for any environmentally friendly project

Maximizing your applications

- Flanges
- Hydraulic pistons
- Pipes
- Engine blocks
- Rebuild of metal surfaces
- Metal joints
- Pump casings
- Tank roofs
- Scored hydraulic rams
- Repair of damaged shafts

THEORETICAL COVERAGE @ 500 µm

1 kg covers 0,77 m
5 kg covers 3,85 m²

WINDOW RECOAT

Minimum 15 minutes
Maximum 45 minutes

DATA

Ratio Volume 2:1
Ratio Weight 5:1

CURING TIMES (25 °C)

Dry-to-touch 15 minutes
Full mechanical load 24 hours

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PROTECTION & REPAIR TECHNOLOGY

Active Direct Adhesion (ADA) epoxy technology

max5361 max5611

Introducing Active Direct Adhesion (ADA) epoxy technology – a breakthrough that completely redefines how industries handle critical repairs. This innovation allows high-performance bonding and repair directly on contaminated surfaces, eliminating the need for full cleaning or costly preparation.

🚀 Key Benefits of ADA Technology

- Reduced downtime: repairs can be carried out quickly, even with equipment in operation.
- Cost savings: eliminates expensive cleaning, logistics, and shutdown procedures.
- Operational safety: no need for hot work, reducing fire and explosion risks.
- Sustainability: lower solvent use and waste generation.
- High performance: ASTM and ISO tests confirm superior resistance to abrasion, compression, flexural stress, and pressure (up to 275 bar).
- Durability: proven adhesion on oil- and grease-contaminated substrates.

🌎 Market Impact

More than just a product, ADA technology represents a competitive advantage for companies seeking efficiency, reliability, and sustainability in their operations.

A practical example: repairing the floating roof of a crude oil storage tank without draining or welding, significantly reducing costs, downtime, and risks, while also protecting the environment.

Active Direct Adhesion (ADA) technology not only provides immediate solutions but also extends the lifespan of critical assets, setting a new standard for industrial repair practices.

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PROTECTION & REPAIR TECHNOLOGY

maxmetal max 5361

High-performance polymer for fast and permanent repairs. **Its exclusive ADA (Active Direct Adhesion)** technology provides superior adhesion even on surfaces contaminated with oil or water.

With an ultra-fast cure, 5361 reduces downtime and is ideal for emergency repairs, including underwater applications, in industrial and highly critical production environments subject to conditions such as compression, abrasion, and erosion.

Maximizing your benefits

- Metallic reinforcement polymer
Ideal for rebuilding and repairing equipment subject to high mechanical stress.
- Ultra-fast cure
Extremely fast return of your asset to service.
Minimize your equipment's downtime.
- Contaminated surface-tolerant
Guarantees maximum and reliable adhesion when applied directly to substrates contaminated with oil, water, or even when submerged.

Maximizing your applications

- Wet environment repairs: For submerged equipment and structures or in splash zones.
- Contaminated surfaces: Maximum adhesion on oil-contaminated surfaces.
- Structural repairs: Plate bonding, pit filling, and rebuilding wall thickness.

THEORETICAL COVERAGE @ 1000 µm

kit of 0.45 kg
0.23 m2/kit at 1000 µm

kit of 1.0 kg
0.50 m2/kit at 1000 µm

WINDOW RECOAT

Minimum 4 minutes
Maximum 14 minutes

DATA

Ratio Volume 2:1
Ratio Weight 2,09:1

CURING TIMES (25 °C)

Dry-to-touch 20 minutes
No loading or immersion 30 minutes
Machining or light loading 100 minutes
Full mechanical load 9 hours
Full chemical resistance 48 hours

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PROTECTION & REPAIR TECHNOLOGY

maxmetal max5611

A state-of-the-art polymer for fast and permanent repairs of oil-contaminated surfaces. **Its exclusive ADA (Active Direct Adhesion)** technology ensures total adhesion on contaminated surfaces.

5611 is high-performance epoxy matrix, reinforced with metallic and ceramic fillers, not only guarantees a superior bond on oily surfaces but also protects your equipment against corrosion, abrasion, and erosion.

Maximizing your benefits

- Metallic and ceramic reinforcement polymer
Ideal for repair and rebuild services in abrasive environments
- Specialty metallic fillers
For castable and machinable services
- Tolerant to surfaces contaminated with oil
Reduces costs and time in surface preparation by eliminating the need for substrate decontamination
- Ultra-fast curing
For an extremely fast return to service of your asset

Maximizing your applications

- Contaminated surfaces: Maximum adhesion on oil-contaminated surfaces.

- Structural repairs: Plate bonding, pit filling, and rebuilding wall thickness.

- Active leaks: Sealing active oil leaks in pipes, equipment, and transformers.

THEORETICAL COVERAGE @ 1000 µm

Fast hardener
(1.10 kg)
0.42 m2/kit at 1000 µm

Slow hardener
(1.05 kg)
0.39 m2/kit at 1000 µm

WINDOW RECOAT

Minimum 7 minutes
Maximum 25 minutes

DATA

Ratio:
Fast Hardener
2:1 5:1

Ratio:
Slow Hardener
8:1 21.3:1

CURING TIMES (25 °C)

Urgent Repairs
7 minutes

High-Stress Work
25 minutes

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maxceramic

Abrasion, and Impact Resistant, Ceramic-Reinforced Polymers

Designed with our unique blend of modifiers and ceramic fillers for extreme environments

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

For 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

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maxceramic APPLICATIONS

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

1 Storage Tank - Sulfuric Acid 98%
MAX 1211 for abrasion resistance
MAX 2332 for chemical resistance

PHOTOS
before and after application

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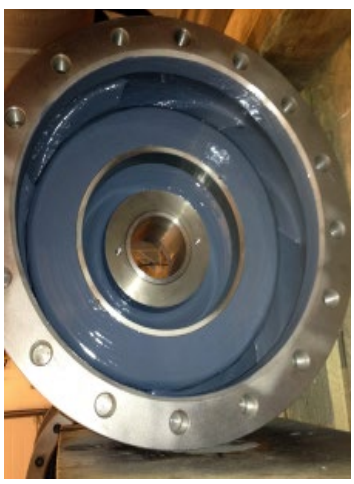
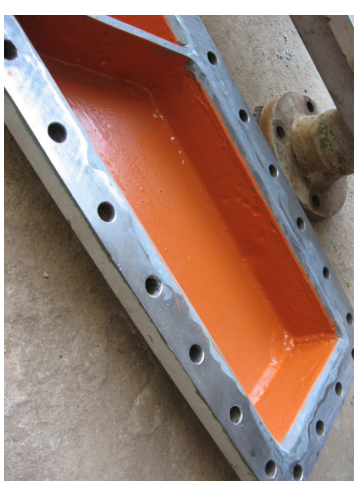
maxceramic APPLICATIONS





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PROTECTION & REPAIR TECHNOLOGY

maxceramic max1211

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

- 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
- 100% solids; no VOCs
Making it a great choice for any environmentally friendly project

Maximizing your applications

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

THEORETICAL COVERAGE @ 3000 µm

1 kg covers 0,46 m²
5 kg covers 2.30 m²

WINDOW RECOAT

Minimum - 2 hours
Maximum - 24 hours

DATA

Ratio Volume 3:1
Ratio Weight 3.5:1

CURING TIMES (25 °C)

Dry-to-touch - 2 hours
Full mechanical load - 24 hours

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PROTECTION & REPAIR TECHNOLOGY

maxceramic max1311

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

- Mid-size ceramic fillers
Ideal for mid-size particulate wear applications
- Ceramic reinforced polymer composite
Extends the equipment's life exposed to particle wear
- Ultra-fast curing
For an extremely fast return to service of your asset
- 100% solids; no VOCs
Making it a great choice for any environmentally friendly project

Maximizing your applications

- Pump cases
- Pipe bends
- Pumps & Valves
- Wear plates
- Slurry pumps
- 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

WINDOW RECOAT

Minimum - 2 hours
Maximum - 12 hours

DATA

Ratio Volume 2:1
Ratio Weight 2:1

CURING TIMES (25 °C)

Dry-to-touch - 1 hours
Full mechanical load - 24 hours

maxepoxy PROTECTION & REPAIR TECHNOLOGY

maxceramic max1411

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

- 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
- 100% solids; no VOCs
Making it a great choice for any environmentally friendly project

Maximizing your applications

- Pump cases
- Pipe bends
- Pumps & Valves
- Wear plates
- Slurry pumps
- 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

WINDOW RECOAT

Minimum - 2 hours
Maximum - 24 hours

DATA

Ratio Volume 4:1
Ratio Weight 5.8:1

CURING TIMES (25 °C)

Dry-to-touch - 2 hours
Full mechanical load - 24 hours

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxceramic max1511

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

- 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
- 100% solids; no VOCs
Making it a great choice for any environmentally friendly project

Maximizing your applications

- Storage tanks
- Secondary containments
- Pumps & Valves
- Wear plates
- Pipeline
- 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

WINDOW RECOAT

Minimum - 2 hours
Maximum - 24 hours

DATA

Ratio Volume 4:1
Ratio Weight 4.9:1

CURING TIMES (25 °C)

Dry-to-touch - 2 hours
Full mechanical load - 24 hours

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxceramic max1512

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

- Outstanding chemical and abrasion resistance
Making it an excellent choice for extending the life of your assets
- Sprayable
A simpler and faster way to protect your asset
- 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
- Impellers
- Wear plates
- Pipeline
- Immersion applications
- Heat exchangers
- Slurry systems
- High wear & erosion
- Chemical attack

THEORETICAL COVERAGE @ 400 µm

1 kg covers 1.67 m²
5 kg covers 8.35 m²

WINDOW RECOAT

Minimum - 2 hours
Maximum - 24 hours

DATA

Ratio Volume 4:1
Ratio Weight 7:1

CURING TIMES (25 °C)

Dry-to-touch - 2 hours
Full mechanical load - 24 hours

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxceramic max1552

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

- Outstanding chemical and abrasion resistance
Making it an excellent choice for extending the life of your assets
- Sprayable
A simpler and faster way to protect your asset
- 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
- Rotors
- Impellers
- Wear plates
- Sliding abrasion
- High wear & erosion
- Heat exchangers
- Slurry systems
- Immersion applications
- Chemical attack

THEORETICAL COVERAGE @ 500 µm

1 kg covers 1,11 m2
5 kg covers 5,55 m2

WINDOW RECOAT

Minimum - 1.5 hours
Maximum - 24 hours

DATA

Ratio Volume 6:1
Ratio Weight 11:1

CURING TIMES (25 °C)

Dry-to-touch - 1,5 hours
Full mechanical load - 24 hours

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxceramic max1612

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

- 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
- 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
- High wear & abrasion
- Mechanical impact
- Chemical attack

THEORETICAL COVERAGE @ 500 µm

1 kg covers 1,43 m²
5 kg covers 7,15 m²

WINDOW RECOAT

Minimum - 2 hours
Maximum - 24 hours

DATA

Ratio Volume 4:1
Ratio Weight 5.8:1

CURING TIMES (25 °C)

Dry-to-touch - 2 hours
Full mechanical load - 24 hours

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxceramic max1711

Hybrid repair composite for extreme impact and severe abrasion

max1711 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
- 100% solids; no VOCs
Making it a great choice for any environmentally friendly project
- Fine ceramic fillers
Ideal for severe fine particulate wear
- 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

WINDOW RECOAT

Minimum - 3 hours
Maximum - 24 hours

DATA

Ratio Volume 6:1
Ratio Weight 11:1

CURING TIMES (25 °C)

Dry-to-touch - 3 hours
Full mechanical load - 24 hours

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxceramic max1911

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
- 100% solids; no VOCs
Making it a great choice for any environmentally friendly project
- Unique ceramic blend
Formulated for extreme cavitation applications
- 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

WINDOW RECOAT

Minimum - 1 hours
Maximum - 12 hours

DATA

Ratio Volume 5:1
Ratio Weight 6:1

CURING TIMES (25 °C)

Dry-to-touch - 4 hours
Full mechanical load - 24 hours

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxceramic max2232

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

- 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
- Sprayable
A simpler and faster way to protect your asset
- 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
- Pipelines
- Immersion applications
- Chemical attack
- High wear & abrasion
- Mixing vessels
- Slurry systems

THEORETICAL COVERAGE @ 250 µm

1 kg covers 2,86 m²
5 kg covers 14,30 m²

WINDOW RECOAT

Minimum - 3.5 hours
Maximum - 24 hours

DATA

Ratio Volume 4:1
Ratio Weight 5.8:1

CURING TIMES (25 °C)

Dry-to-touch - 3.5 hours
Full mechanical load - 48 hours

maxepoxy PROTECTION & REPAIR TECHNOLOGY

maxceramic max2332

Liquid repair composite for extreme wear and chemical attack

max2332 is an engineered sprayable dual-component, low-viscosity, ceramic-reinforced liquid polymer composite for your applications under extreme sliding abrasion wear, corrosion, erosion, and chemical attack in dry and immersion environments. This innovative polymer matrix is designed with a novolac epoxy resin and fine ceramic fillers.

Maximizing your benefits

- Extreme chemicals resistance
Ideal for extreme applications including sulfuric at 98%
- Fine ceramic fillers
Ideal for severe fine particulate wear
- Sprayable
A simpler and faster way to protect your asset
- 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
- Pipelines
- Immersion applications
- Chemical attack
- High wear & abrasion
- Mixing vessels
- Slurry systems

THEORETICAL COVERAGE @ 250 µm

1 kg covers 2,58 m²
5 kg covers 12,90 m²

WINDOW RECOAT

Minimum - 2 hours
Maximum - 24 hours

DATA

Ratio Volume 3:1
Ratio Weight 4:1

CURING TIMES (25 °C)

Dry-to-touch - 2 hours
Full mechanical load - 40 hours

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PROTECTION & REPAIR TECHNOLOGY

maxceramic max2361

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
- Fine ceramic fillers
Ideal for severe fine particulate wear
-100% solids; no VOCs
Making it a great choice for any environmentally friendly project
- 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
- Pipelines
- Immersion applications
- Chemical attack
- High wear & abrasion
- Sealing of leaks
- Slurry systems

THEORETICAL COVERAGE @ 250 µm

1 kg covers 1,12 m²
5 kg covers 5,60 m²

WINDOW RECOAT

Minimum - 2 hours
Maximum - 24 hours

DATA

Ratio Volume 4:1
Ratio Weight 6,2:1

CURING TIMES (25 °C)

Dry-to-touch - 2 hours
Full mechanical load - 44 hours

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PROTECTION & REPAIR TECHNOLOGY

maxceramic max2612

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

- Outstanding chemical and abrasion resistance
Making it an excellent choice for extending the life of your assets
- Sprayable
A simpler and faster way to protect your asset
-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

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

THEORETICAL COVERAGE @ 250 µm

1 kg covers 1,39 m²
5 kg covers 6,95 m²

WINDOW RECOAT

Minimum - 2 hours
Maximum - 24 hours

DATA

Ratio Volume 4:1
Ratio Weight 6.2:1

CURING TIMES (25 °C)

Dry-to-touch - 2 hours
Full mechanical load - 24 hours

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxprimer

Surface Tolerant, Sealing and Intercoat Bonding Coating Systems

Unbeatable primer line developed with the ultimate in Adhesion Technology

- Unmatched adhesion to marginally prepared surfaces
- Outstanding wetting characteristics
- Outstanding intercoat adhesion
- Ferrous and non-ferrous substrates as well as concrete surfaces
- Excellent barrier protective with Maxepoxy topcoats

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxprimer APPLICATIONS

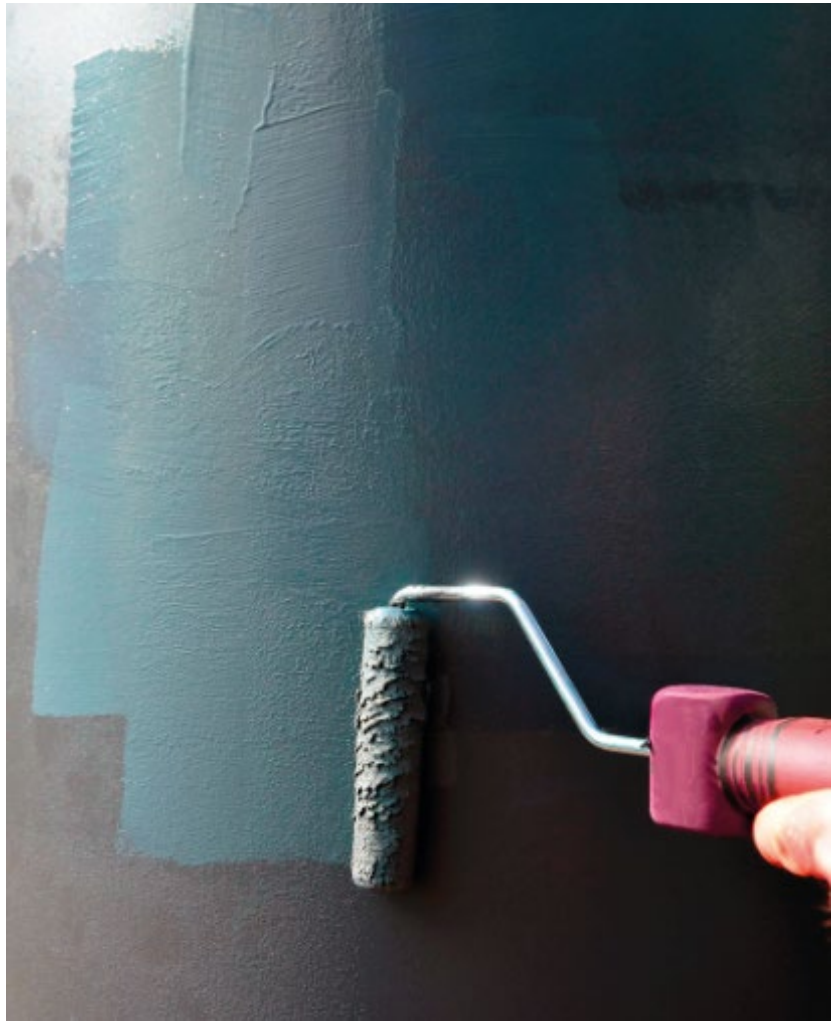
- Ideal for metal and concrete sealing, bonding and chemical protection
- Crates an outstanding intercoat adhesion for all MAXEPOXY topcoats
- Protective barrier against most corrosive elements in immersion, splash zones or high condensation environments

PHOTOS

before and after application

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxprimer APPLICATIONS



maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxprimer max8242

Primer and sealer for extreme adhesion on concrete and steel

max8242 is a novolac epoxy primer and sealer for extreme adhesion on concrete and steel substrates for your applications under chemical exposure, making it ideal for dry and immersion environments. MAX8242 was designed withlow-viscosity modified epoxy resin and a balanced ratio of specific hardeners to guarantee a uniform and smooth surface.

Maximizing your benefits

- Great compression resistance
Ideal for applications under severe loads
- Low-viscosity modified epoxy resin
Excellent for sealing and penetrating concrete cracks
- Sprayable
A simpler and faster way to protect your asset
- 100% solids; no VOCs
Making it a great choice for any environmentally friendly project

Maximizing your applications

- Repair of concrete cracks
- Storage tanks
- Secondary containments
- Concrete sealing
- Rebuild of surfaces
- Floors and ramps
- Loading docks
- Walls
- Leveling of floors
- Bases of equipment

THEORETICAL COVERAGE @ 100 µm

1 kg covers 7,7 m²
5 kg covers 38,5 m²

WINDOW RECOAT

Minimum 2 hours
Maximum 24 hours

DATA

Ratio Volume 2:1
Ratio Weight 2.2:1

CURING TIMES (25 °C)

Dry-to-touch - 2 hours
Full mechanical load - 48 hours

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxprimer max8392

Surface-tolerant metallic nanotechnology polyurea primer

max8392 is a single-component, moisture-cure, surface-tolerant metallic nanotechnology polyurea primer with extreme mechanical and intercoat adhesion in metal and concrete. MAX8392 was designed utilizing aluminum pigment and low-viscosity aromatic resin to provide unparalleled wetting and adhesion properties to marginally prepared surfaces.

Maximizing your benefits

- Surface tolerant
Apply on challenging substrates prepared to minimum hand tool cleaning
- Extreme inter coat adhesion
Create a strong bond between two layers of coating
- Easy to mix and apply
Requires no special tools or skills
- Single component
Ready to apply without mixing components

Maximizing your applications

- Bridges
- Structural Steel
- Offshore structures
- Tanks and vessels
- Equipment
- Pipes and accessories
- Valves and flanges
- Storage tanks
- Roofs
- Transmission towers

THEORETICAL COVERAGE @ 75 µm

0,75 liters covers 6,3 m²
2,50 liters covers 21 m²

WINDOW RECOAT

Minimum 5 hours
Maximum 24 hours

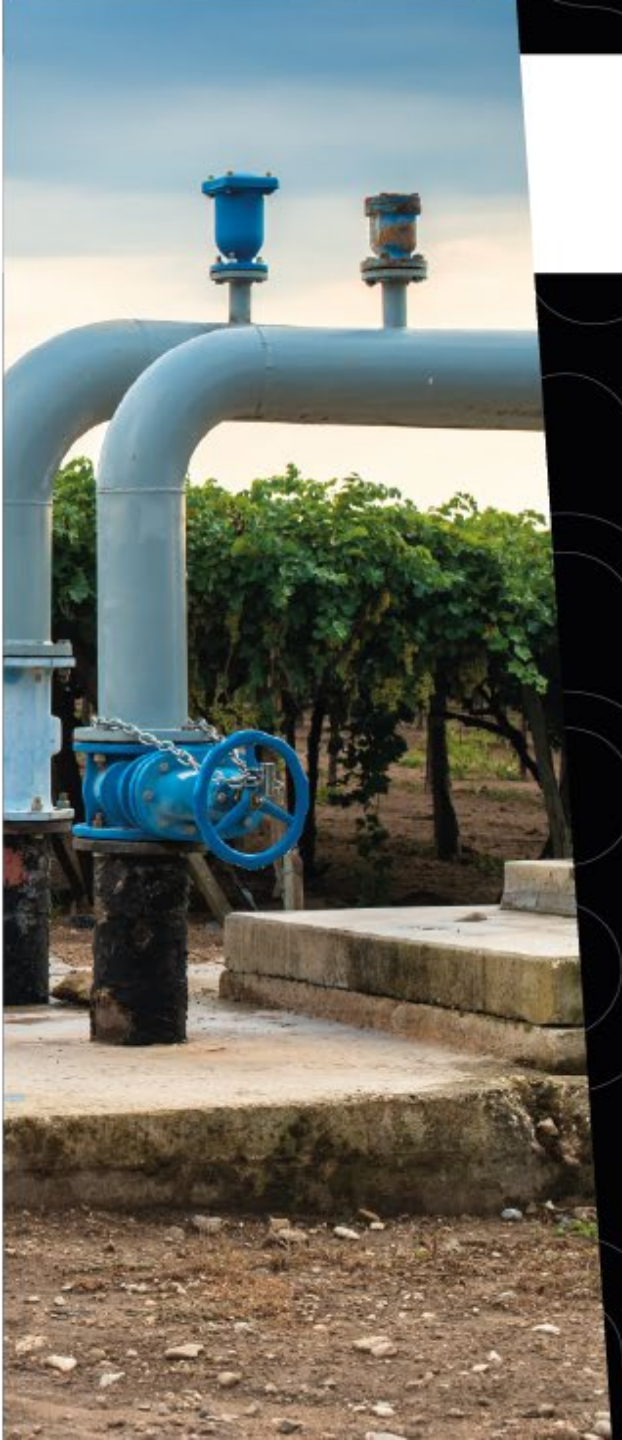
DATA

Ratio Volume - Single component
Solids by volume - 63%

CURING TIMES (25 °C)

Dry-to-touch - 2 hours
Full mechanical load - 48 hours

maxepoxy
PROTECTION & REPAIR TECHNOLOGY



maxcomp

Composite Repair System

Pipe and pressure Equipment, Composite Repair Systems

Engineered bi directional Fiberglass fabric-reinforced epoxy matrix composite repair and structural reinforcement system for pipe and pressurized equipment, according to the ASME PCC-2 and ISO 24817 standards, with temperature resistance up to 130°C (266°F)

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PROTECTION & REPAIR TECHNOLOGY

maxcomp APPLICATIONS

Can be designed according to ASME PCC-2 and ISO 24817 standards

APPLICATIONS:

1 - Pipes and ducts for transporting fluids such as: Hydrocarbons, gas, water, chemical
products*;
2 - Repair of pipes and ducts with internal and external corrosion;
3 - Repair of pipes and ducts with defects due to loss of thickness and transverse damage;
4 - Compatible with a range of chemicals used in the offshore industry;
5 - Repairs at temperatures -10ºC to 140ºC;
6 - Tanks;
7 - Pressure vessel;
8 - Pipes where level L1 fire protection is required;
9 - Lines where ABS certification is required.

APPLICATION PHOTOS

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PROTECTION & REPAIR TECHNOLOGY

maxcomp
APPLICATIONS

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxcomp max9182

Engineered composite repair and structural reinforcement system

max9182 is an engineered composite repair and structural reinforcement system that complies with ASME PCC-2 and ISO 24817 standards for your applications on pressurized equipment and pipes with temperatures up to 130°C (266°F). The numerous technical certifications and ABSType Approval of MAX9182 prove that it is subject to rigorous quality control.

Maximizing your benefits

- Versatile composite repair
Used to repair and reinforce a variety of pipes and pressurized equipment
- Certified by ASME PCC-2 and ISO 24817
It is a high-quality product that you can trust
- Type Approved by ABS
Intense quality control and technical certifications
- Easy to apply
Allowing repairs of different geometries

Maximizing your applications

- Structural reinforcement
- Concrete structures
- Metal structures
- Pressurized pipes
- Pressurized equipment
- Damages with loss of thickness
- Through-Wall damages
- Concrete structures
- Heat exchangers
- Flare Lines

SURFACE PREPARATION

Abrasive Blast ISO Sa 2½ or
SSPC-SP 11 Level 1
Surface profile: 45 µm (minimum)

STORAGE

Storage Temperature -
18 to 25 °C
Shelf Life - 2 years

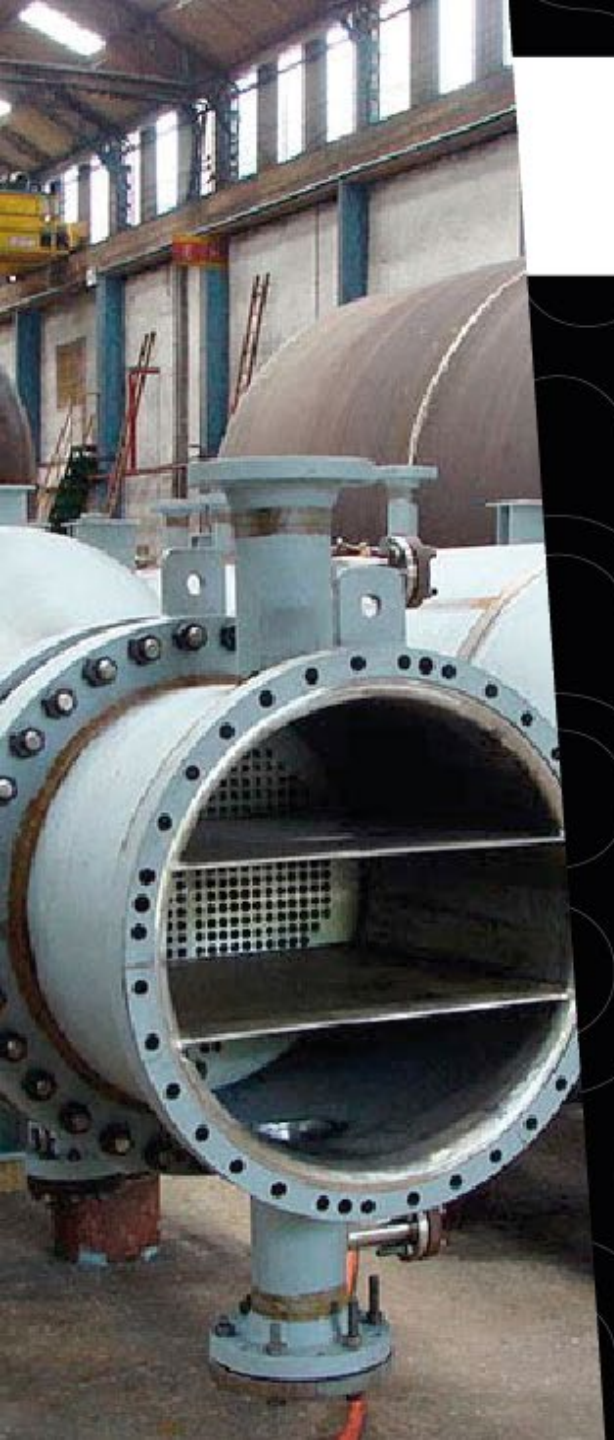
PACKING

MAX 9182.02 - 2.0 kg
MAX 9182.05 - 4.5 kg
MAX 9182.08 - 3.5 kg

DIMENSIONS (mm x mm x m)

MAX 9182.02 - 4 x 50 x 20
MAX 9182.05 - 4 x 130 x 20
MAX 9182.08 - 2 x 200 x 20

maxepoxy
PROTECTION & REPAIR TECHNOLOGY



maxvisco

Multiuse Sealing and Corrosion Protection Tape Systems

Our innovative viscoelastic coatings line developed with the most advanced polymer technology

- Self-healing
- Compatible with cathodic protection
- High adhesion to most substrates
- Meets ISO 21809-3
- Unmatched adhesion to the substrate
- No primer is required

Easy and safe way to apply without the need for special tools in a large variety of scenarios.

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxvisco APPLICATIONS

- Storage tanks & Pipes
- Heat exchangers
- Pumps & Valves
- Chemical Attack
- Immersion applications

APPLICATION PHOTOS





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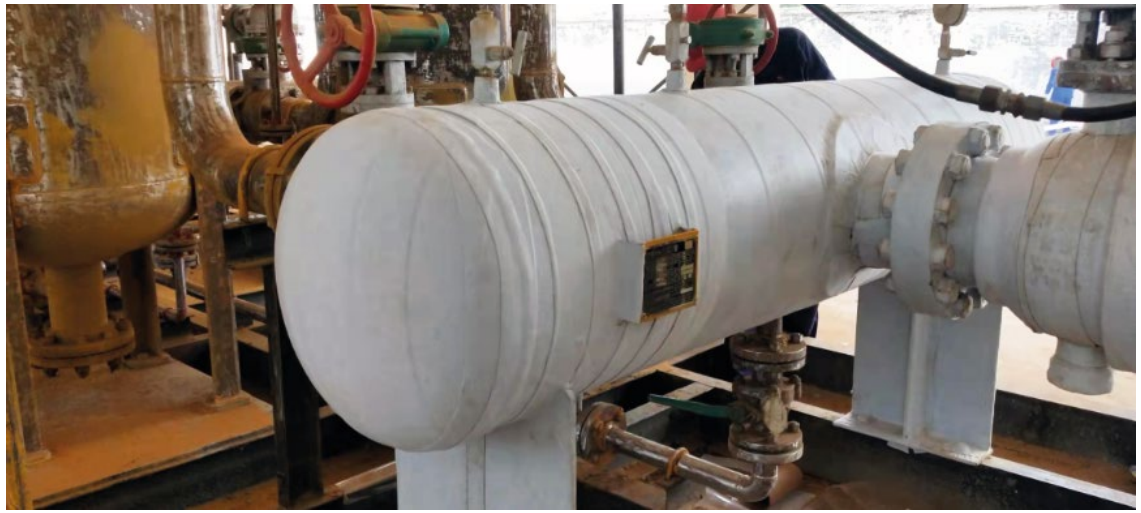
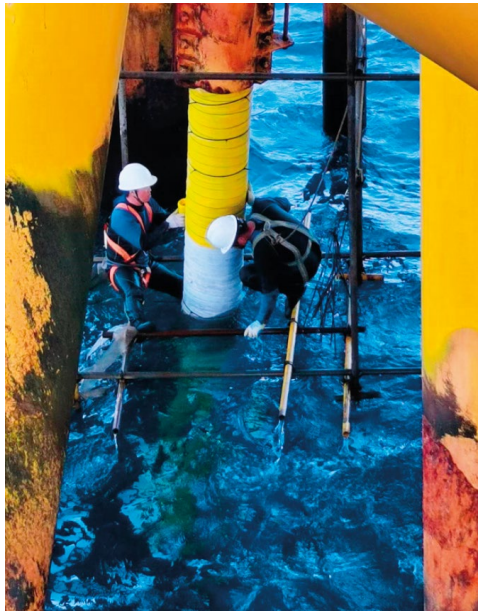
PROTECTION & REPAIR TECHNOLOGY

maxvisco APPLICATIONS





maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxvisco maxmv10

Surface tolerant self-healing viscoelastic coating for underground applications

maxmv10 is a non-crystalline viscoelastic polymer for corrosion prevention and sealing of your underground applications. This viscoelastic coating is designed to be applied directly to clean and dry ferrous and non-ferrous surfaces, and it maintains its flexibility and is stress-free, as well as low permeability to water and gases/vapors. maxvisco 10 is self-healing and does not cure, offering long-term corrosion prevention.

Maximizing your benefits

- Viscoelastic materials
Giving it a unique ability to self-heal and protect against corrosion
- Excellent impact and indentation resistance
Resists to damages that may occur during installation & backfilling
- Self-healing properties
Designed to self-heal to provide superior protection against corrosion
- Surface tolerant
Excellent wetting properties with the best penetration into the substrate

Maximizing your applications

- Underground applications
- Oil pipeline
- Pipes fittings
- Gas pipeline
- Valves and flanges
- Tees and elbows
- Field joints
- Soil-to-air transitions
- Buried structures
- Buried components

SURFACE PREPARATION

Minimum St 2 (by hand tool)
Surface profile is not required

STORAGE

Storage Temperature -
Less than 40 °C
Does not have a shelf life

PACKING

MV10-0510 12 rolls per carton
MV10-1010 6 rolls per carton
MV10-2010 2 rolls per carton
MV10-2020 2 rolls per carton

DIMENSIONS (mm x mm x m)

MV10-0510 50 x 10 x 1.5(1.8)
MV10-1010 100 x 10 x 1.5(1.8)
MV10-2010 200 x 10 x 1.5(1.8)
MV10-2020 200 x 20 x 1.5(1.8)

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxvisco maxmv12

High-temperature surface tolerant self-healing viscoelastic coating

maxmv12 is a non-crystalline viscoelastic polymer for corrosion prevention and sealing your underground applications at high temperatures. This viscoelastic coating is self-healing and designed to be applied directly to clean and dry ferrous and non-ferrous surfaces and remains flexible and stress-free, offering low permeability to water and gases/vapors.

Maximizing your benefits

- Viscoelastic materials
Giving it a unique ability to self-heal and protect against corrosion
- Excellent impact and indentation resistance
Resists to damages that may occur during installation & backfilling
- Self-healing properties
Designed to self-heal to provide superior protection against corrosion
- Surface tolerant
Excellent wetting properties with the best penetration into the substrate

Maximizing your applications

- Underground applications
- Oil pipeline
- Pipes fittings
- Gas pipeline
- Valves and flanges
- Tees and elbows
- Field joints
- Soil-to-air transitions
- Buried structures
- Buried components

SURFACE PREPARATION

Minimum St 2 (by hand tool)
Surface profile is not required

STORAGE

Storage Temperature - Less than 40 °C
Does not have a shelf life

PACKING

MV12-0510 12 rolls per carton
MV12-1010 6 rolls per carton
MV12-2010 2 rolls per carton

DIMENSIONS (mm x mm x m)

MV12-0510 50 x 10 x 1.8
MV12-1010 100 x 10 x 1.8
MV12-2010 200 x 10 x 1.8

maxepoxy
PROTECTION & REPAIR TECHNOLOGY

maxvisco maxmv14

Stretchable self-healing viscoelastic coating for underground applications

maxmv14 is a stretchable, non-woven, fabric-backed, non-crystalline viscoelastic coating for corrosion prevention and sealing in underground applications. This stretchable viscoelastic coating can be directly applied to dry ferrous and non-ferrous surfaces and remains flexible and stress-free, offering low permeability to water and gases. It is fully compatible with cathodic protection systems, providing long-term corrosion prevention.

Maximizing your benefits

- Viscoelastic materials
Giving it a unique ability to self-heal and protect against corrosion
- Excellent impact and indentation resistance
Resists to damages that may occur during installation & backfilling
- Self-healing properties
Designed to self-heal to provide superior protection against corrosion
- No cathodic disbondment
Cathodic Protection of steel structures is not affected

Maximizing your applications

- Underground applications
- Oil pipeline
- Pipes fittings
- Gas pipeline
- Valves and flanges
- Tees and elbows
- Field joints
- Soil-to-air transitions
- Buried structures
- Buried components

SURFACE PREPARATION

Minimum St 2 (by hand tool)
Surface profile is not required

STORAGE

Storage Temperature - Less than 40 °C
Shelf Life 8 years

PACKING

MV14-1008 6 rolls per carton
MV14-2008 2 rolls per carton

DIMENSIONS (mm x mm x m)

MV14-1008 100 x 8 x 2.2
MV14-2008 200 x 8 x 2.2

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PROTECTION & REPAIR TECHNOLOGY

maxvisco maxmv20

Injectable non-curing surface tolerant viscoelastic filling compound

maxmv20 is an injectable, non-curing filling viscoelastic compound for use in non-accessible areas where moisture can be trapped and contribute to corrosion. It is non-toxic, resistant to water, and has very low vapor and gas permeability. This injectable filler is designed to be applied directly to clean and dry ferrous and nonferrous surfaces, making it the best solution to protect voids and narrow spaces.

Maximizing your benefits

- Injectable, non-curing compound
Allows to use in non-accessible areas where moisture can be trapped
- Fast and easy to apply
Does not require special tools for application
- Self-healing properties
Self-healing of small dents, voids, and cracks
- Does not harden and has no pot-life limitations
No curing or waiting time, ready for immediate service

Maximizing your applications

- Underground applications
- Oil pipeline
- Pipes fittings
- Gas pipeline
- Valves and flanges
- Tees and elbows
- Field joints
- Soil-to-air transitions
- Buried structures
- Buried components

SURFACE PREPARATION

Minimum St 2 (by hand tool)
Surface profile is not required

STORAGE

Storage Temperature - Less than 40 °C
Does not have a shelf life

PACKING

MV20-0020 9 bags per carton

DIMENSIONS (mm x mm x m)

MV20-0020 2kg per bag

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maxvisco maxmv22

Malleable sealing surface tolerant self-healing viscoelastic compound

maxmv22 is a non-crystalline molding viscoelastic paste used as part of a corrosion prevention system to fill voids and smooth irregularities in non-uniform structures. It does not cure and offers low permeability to water and vapors, and is stress-free, maintaining flexibility, and is fully compatible with cathodic protection systems. This viscoelastic paste is designed to be applied directly to clean and dry ferrous and non-ferrous surfaces.

Maximizing your benefits

- Malleable viscoelastic paste
Easy to mold on irregular shaped objects
- Does not age
The sealing remains permanently flexible
- No cathodic disbondment
Cathodic Protection of steel structures is not affected
- Does not harden and has no pot-life limitations
No curing or waiting time, ready for immediate service

Maximizing your applications

- Sealing and filling
- Fill voids
- Smooth irregularities
- Irregular shapes
- Penetrations
- Molding applications
- Gaps between flanges
- Gaps between gaskets
- Gaps in irregular surfaces
- Nuts and bolts

SURFACE PREPARATION

Minimum St 2 (by hand tool)
Surface profile is not required

STORAGE

Storage Temperature - Less than 40 °C
Does not have a shelf life

PACKING

MV22-0020 6 pieces per carton

DIMENSIONS (mm x mm x m)

MV22-0020 2kg per piece

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maxvisco maxmv40

Paintable, self-healing viscoelastic coating for aboveground applications

maxmv40 is a paintable, non-crystalline, and fiber-reinforced viscoelastic polymer for corrosion prevention and sealing your aboveground applications. This viscoelastic coating is designed to be applied directly to clean and dry ferrous and non-ferrous surfaces, and it maintains its flexibility and is stress-free. maxvisco 40 can be coated with various colors to protect outdoor irregular steel structures, overhead pipelines, valves, and flanges.

Maximizing your benefits

- Viscoelastic materials
Giving it a unique ability to self-heal and protect against corrosion
- Surface tolerant
No blasting techniques required, hand tool cleaning is Sufficient
- Self-healing properties
Designed to self-heal to provide superior protection against corrosion
- Paintable
Can be coated with various colors

Maximizing your applications

- Aboveground applications
- Oil pipeline
- Gas pipeline
- Valves and flanges
- Tees and elbows
- Outdoor surfaces
- Structures
- Irregular shapes
- Nuts and bolts
- Field joints

SURFACE PREPARATION

Minimum St 2 (by hand tool)
Surface profile is not required

STORAGE

Storage Temperature - Less than 40 °C
Shelf Life 8 years

PACKING

MV40-0510 12 rolls per carton
MV40-1010 6 rolls per carton
MV40-2010 3 rolls per carton

DIMENSIONS (mm x mm x m)

MV40-0510 50 x 10 x 1.0
MV40-1010 100 x 10 x 1.0
MV40-2010 200 x 10 x 1.0

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maxvisco maxmv42

Stretchable self-healing viscoelastic coating for aboveground applications

maxmv42 is a stretchable, non-woven, fabric-backed, non-crystalline viscoelastic coating for corrosion prevention and sealing in aboveground applications. This stretchable viscoelastic coating can be directly applied to dry ferrous and non-ferrous surfaces and remains flexible and stress-free, offering low permeability to water and gases. This self-healing coating does not cure, and it is fully compatible with cathodic protection systems.

Maximizing your benefits

- Viscoelastic materials
Giving it a unique ability to self-heal and protect against corrosion
- Surface tolerant
No blasting techniques required, hand tool cleaning is Sufficient
- Self-healing properties
Designed to self-heal to provide superior protection against corrosion
- Safety to use
There are no chemical reactions or vapors produced

Maximizing your applications

- Aboveground applications
- Oil pipeline
- Gas pipeline
- Valves and flanges
- Tees and elbows
- Outdoor surfaces
- Structures
- Conform irregular shapes
- Nuts and bolts
- Field joints

SURFACE PREPARATION

Minimum St 2 (by hand tool)
Surface profile is not required

STORAGE

Storage Temperature - Less than 40 °C
Shelf Life 8 years

PACKING

MV42-1008 6 rolls per carton
MV42-2008 3 rolls per carton

DIMENSIONS (mm x mm x m)

MV42-1008 100 x 8 x 1.3
MV42-2008 200 x 8 x 1.3

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maxvisco maxmv50

Paintable viscoelastic coating for aboveground tank chime applications

maxmv50 is a paintable, non-crystalline, and fiber-reinforced viscoelastic polymer for corrosion prevention and sealing of your aboveground tank chime applications. This flexible viscoelastic coating is designed to be applied directly to clean and dry ferrous and non-ferrous surfaces where heavy pitting exists. maxvisco 50 can be coated to protect the storage tank edge.

Maximizing your benefits

- Viscoelastic materials
Giving it a unique ability to self-heal and protect against corrosion
- Does not harden and has no pot-life limitations
No curing or waiting time, ready for immediate service
- Self-healing properties
Designed to self-heal to provide superior protection against corrosion
- Paintable
Can be coated with various colors

Maximizing your applications

- Tank chimes
- Aboveground applications
- Gas pipeline
- Valves and flanges
- Areas with heavy pitting
- Oil pipeline
- Structures
- Irregular shapes
- Nuts and bolts
- Field joints

SURFACE PREPARATION

Minimum St 2 (by hand tool)
Surface profile is not required

STORAGE

Storage Temperature - Less than 40 °C
Shelf Life 8 years

PACKING

MV50-0510 12 rolls per carton
MV50-1010 6 rolls per carton
MV50-2010 2 rolls per carton
MV50-2020 2 rolls per carton

DIMENSIONS (mm x mm x m)

MV50-0510 50 x 10 x 1.8
MV50-1010 100 x 10 x 1.8
MV50-2010 200 x 10 x 1.8
MV50-2020 200 x 20 x 1.8

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maxvisco maxmv70

Stretchable self-fusion viscoelastic coating integrated with mechanical protection

maxmv70 is a stretchable EPDM rubber-backed non-crystalline self-fusion viscoelastic coating for corrosion prevention and sealing in aboveground applications. This self-fusion stretchable viscoelastic coating does not require mechanical protection, and it is cold applied directly to dry ferrous and non-ferrous surfaces and remains flexible and stress-free, offering low permeability to water and gases/vapors and long-term corrosion prevention.

Maximizing your benefits

- Impermeable to water and gas
No osmosis or underfilm migration of moisture
- No cathodic disbondment
Cathodic Protection of steel structures is not affected
- Self-healing properties
Cracks are stopped even before they develop
- Safety to use
No physical, health or environmental hazards

Maximizing your applications

- Tees and elbows
- Aboveground applications
- Gas pipeline
- Valves and flanges
- Sealing
- Oil pipeline
- Steel-plastic converters
- Irregular shapes
- Thread connectors
- Through-wall pipeline

SURFACE PREPARATION

Minimum St 2 (by hand tool)
Surface profile is not required

STORAGE

Storage Temperature -
Less than 40 °C
Shelf Life 5 years

PACKING

MV70-0503 27 rolls per carton
MV70-0505 27 rolls per carton
MV70-0504 24 rolls per carton
MV72-0503 27 rolls per carton
MV72-0505 27 rolls per carton

DIMENSIONS (mm x mm x m)

MV70-0503 50 x 3 x 1.0
MV70-0505 50 x 5 x 1.0
MV70-0504 75 x 4 x 1.0
MV72-0503 50 x 3 x 1.0
MV72-0505 50 x 5 x 1.0

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maxvisco maxmv90

Stretchable viscoelastic coating for subsea and condensing applications

maxmv90 is a stretchable, non-woven, fabric-backed, non-crystalline self-healing viscoelastic coating for immersion applications. This stretchable viscoelastic coating is the primary layer of maxvisco's two-layer corrosion prevention system and can be applied on condensing or submerged ferrous and non-ferrous surfaces without the need to dry the surface.

Maximizing your benefits

- Viscoelastic material
Giving it a unique ability to self-heal and protect against corrosion
- Fast and easy to apply
Does not require special tools for application
- No cathodic disbondment
Cathodic Protection of steel structures is not affected
- Excellent impact and indentation resistance
Resists to damages that may occur during installation and backfilling

Maximizing your applications

- Subsea applications
- Wet surfaces
- Condensed surfaces
- Submerged surfaces
- Splash zones applications
- Pipelines
- Structures
- Irregular shapes
- Valves and flanges
- Nuts and bolts

SURFACE PREPARATION

Minimum St 2 (by hand tool)
Surface profile is not required

STORAGE

Storage Temperature - Less than 40 °C
Shelf Life 8 years

PACKING

MV90-1057 6 rolls per carton
MV90-2057 2 rolls per carton

DIMENSIONS (mm x mm x m)

MV90-1057 100 x 5.7 x 3.2
MV90-2057 200 x 5.7 x 3.2

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LET´S TALK?

THANK YOU

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max5611

Compression and abrasion resistant, metallic-reinforced polymers

- Tolerant to oil-contaminated surfaces
- Excellent compression and abrasion resistance
- 100% solids - VOC-free

Ultra-fast curing

Repairs in minutes

www.maxepoxy.com

MAXIMIZING
ASSET EFFICIENCY

max5611

MAX
SOLUTIONS

MAXMETAL | MAXCERAMIC | MAXPRIMER | MAXVISCO | MAXCOMP

MAX 5611 is a dual-component polymer composite coating developed with the highest mechanical performance requirements, including extreme compression, corrosion, and abrasion environments, designed with metallic and ceramic fillers and special additives for emergency repair of active oil leaks within minutes.

It has been specially formulated with a high-tech epoxy matrix that guarantees direct bonding on oil-contaminated surfaces and reinforced with metallic and ceramic fillers to repair and protect metal exposed to corrosion and erosion.

Available in two Hardener versions:

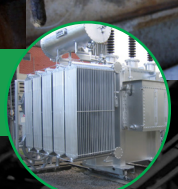
- Fast-curing hardener for use in emergency repairs.
- Slow-curing hardener, ideal for high-demand works.

Repair of an oil leak in an offshore pipe weld seam using MAX 5611.

Oil leak repair with MAX 5611 in an offshore pipe bend.

Oil leak repair with MAX 5611 on a refinery fuel tank.

Oil leak repair with MAX 5611 on a power transformer radiator.



MaxApplications

Oil-contaminated surfaces
Leak repairs
Fills pits, crevices, and depressions
Surface leveling
Storage tanks Pipes
Flanges and valves
Transformers and oil reservoirs

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