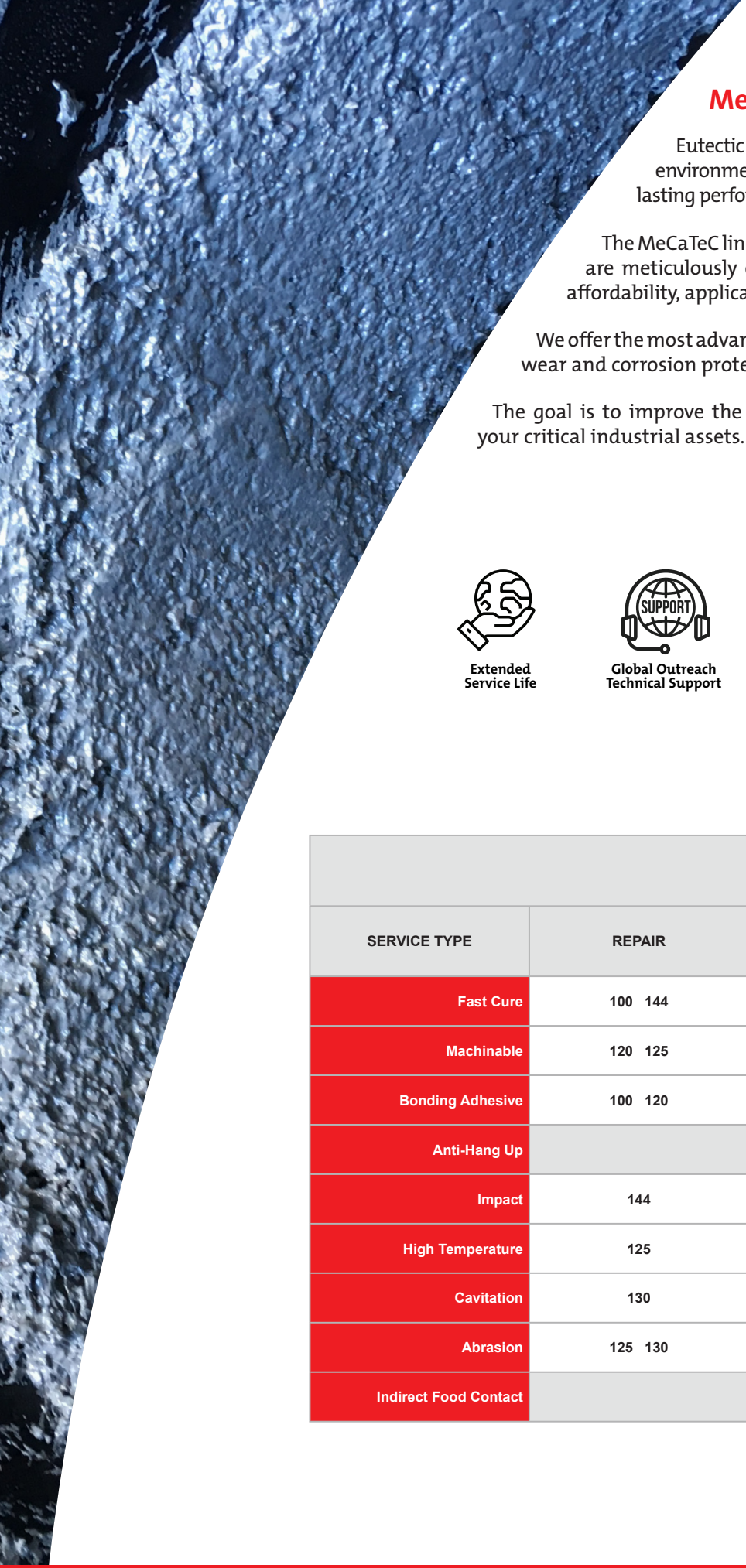
Castolin Eutectic®
Eutectic Castolin

Ceramic Surfacing Polymers

# MeCaTeC®


- Long term surface protection for critical industrial assets
- Easy to apply with trowel, brush, MeCaSpray gun, or airless spray
- Solvent-free (100% solids), zero VOCs
- Environmentally sustainable coatings
- Repair • Rebuild • Protect



## MeCaTeC

Eutectic Castolin is at the forefront of pioneering sustainable, environmentally friendly solvent-free protective coatings, with lasting performance, durability, and near zero carbon emissions.

The MeCaTeC line of ceramic polymer coatings from Eutectic Castolin are meticulously engineered to provide the perfect combination of affordability, application ease and safety performance.

We offer the most advanced surfacing technologies to address the toughest wear and corrosion protection problems faced by industrial facilities.

The goal is to improve the efficiency, performance, reliability, and longevity your critical industrial assets.



Extended Service Life




Global Outreach Technical Support

Maintenance

Surface Protection

Industrial Sustainability

**MeCaTeC Quick Selection Guide**

| SERVICE TYPE | REPAIR | WEAR | IMMERSION / CORROSION |
|---|---|---|---|
| Fast Cure | 100 144 | A5FS | 750 |
| Machinable | 120 125 | | |
| Bonding Adhesive | 100 120 | | |
| Anti-Hang Up | | 300 | 710 |
| Impact | 144 | 400 | |
| High Temperature | 125 | A5HT A7HT 350 450 | 780 750 |
| Cavitation | 130 | A5 A5FS A5HT 300 A7 A7HT | 700 |
| Abrasion | 125 130 | A5 A5FS 300 350 400 450 A5HT A7 A7HT 710 | 710 |
| Indirect Food Contact | | A7 | 703 |

# MeCaFix - Repair & Rebuild

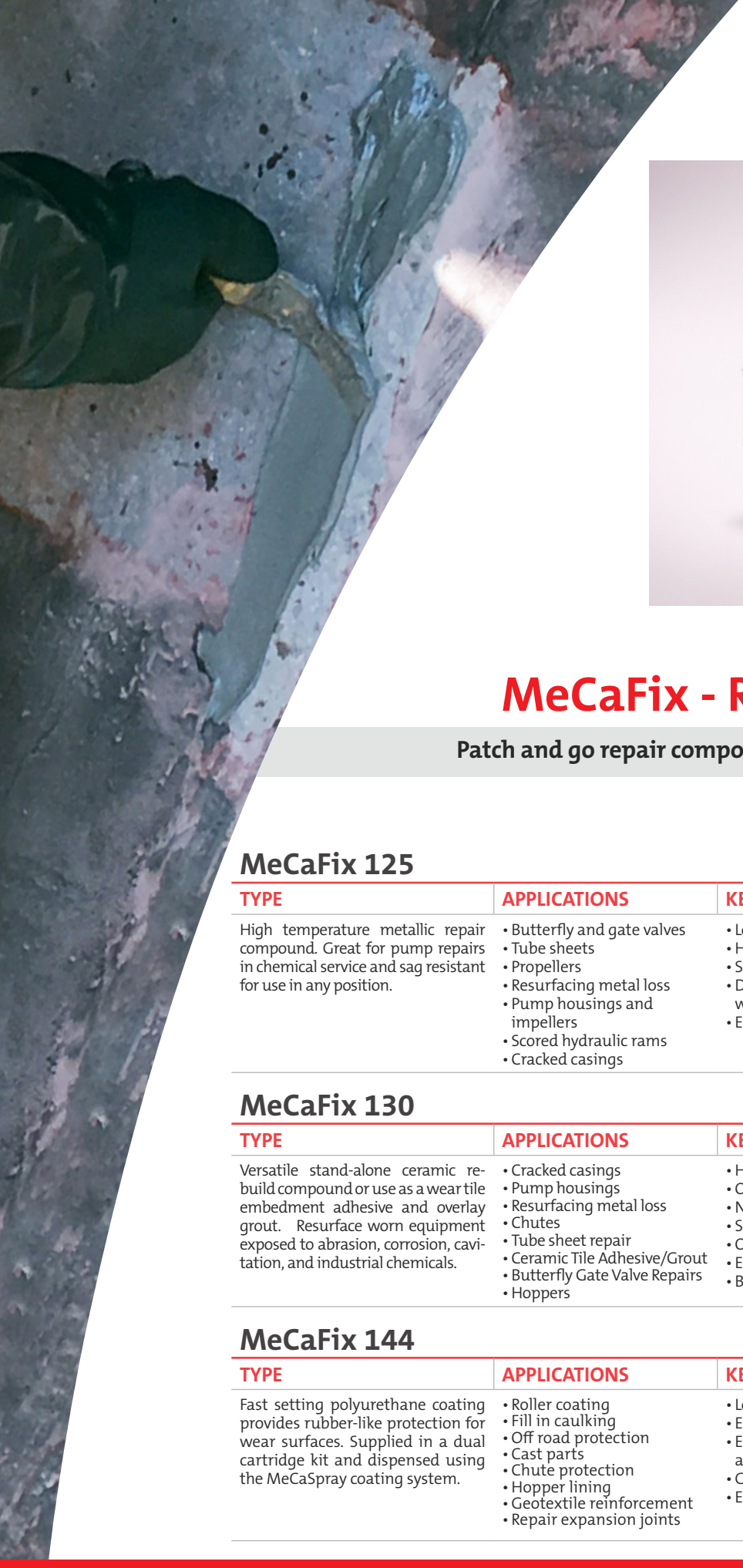
**Patch and go repair compounds for rebuild, repair and bonding**

## MeCaFix 100 Express

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Fast setting, 3-minute metal filled emergency repair polymer. Ready to sand within 1 hour. | • Piping<br>• Threads<br>• Resurfacing metal loss<br>• Cold bonding adhesive<br>• Leaks<br>• Wood repair<br>• Castings | • Extremely fast dry to touch time<br>• Low temperature cure<br>• Excellent adhesive properties<br>• Suitable for live repair of active leaks<br>• Go to repair product for rapid maintenance repairs | Maximum Temperature:<br><br>Wet Service: 104°F (40°C)<br>Dry Service: 120°F (48°C) |

## MeCaFix 120

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Cures at temperatures down to 32°F (0°C). Protects against wear by corrosive liquids, abrasive media, slurry erosion and cavitation. | • Butterfly and gate valves<br>• Tube sheets<br>• Propellers<br>• Resurfacing metal loss<br>• Pump housings & impellers<br>• Scored hydraulic rams<br>• Cracked casings | • Low temperature cure<br>• Excellent adhesive properties<br>• Excellent sag resistance for thick applications<br>• Designed to be precision machined with low defects<br>• Exceptional resistance to pressure and deformation | Maximum Temperature:<br><br>Wet Service: 122°F (50°C)<br>Dry Service: 195°F (90°C) |




# MeCaFix - Repair & Rebuild

**Patch and go repair compounds for rebuild, repair and bonding**

## MeCaFix 125

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| High temperature metallic repair compound. Great for pump repairs in chemical service and sag resistant for use in any position. | • Butterfly and gate valves<br>• Tube sheets<br>• Propellers<br>• Resurfacing metal loss<br>• Pump housings and impellers<br>• Scored hydraulic rams<br>• Cracked casings | • Low temperature cure<br>• High temperature resistance<br>• Superb sag resistance<br>• Designed to be precision machined with low defects<br>• Easy-of-use in any position | Maximum Temperature:<br><br>Wet Service: 300°F (150°C)<br>Dry Service: 480°F (250°C) |

## MeCaFix 130

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Versatile stand-alone ceramic re-build compound or use as a wear tile embedment adhesive and overlay grout. Resurface worn equipment exposed to abrasion, corrosion, cavitation, and industrial chemicals. | • Cracked casings<br>• Pump housings<br>• Resurfacing metal loss<br>• Chutes<br>• Tube sheet repair<br>• Ceramic Tile Adhesive/Grout<br>• Butterfly Gate Valve Repairs<br>• Hoppers | • Hard, tough, durable film<br>• Outstanding adhesion<br>• Non sag<br>• Supports overhead tile installation<br>• One coat high build protection<br>• Extreme abrasion protection<br>• Broad chemical resistance | Maximum Temperature:<br><br>Wet Service: 176°F (80°C)<br>Dry Service: 302°F (150°C) |

## MeCaFix 144

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Fast setting polyurethane coating provides rubber-like protection for wear surfaces. Supplied in a dual cartridge kit and dispensed using the MeCaSpray coating system. | • Roller coating<br>• Fill in caulking<br>• Off road protection<br>• Cast parts<br>• Chute protection<br>• Hopper lining<br>• Geotextile reinforcement<br>• Repair expansion joints | • Low temperature cure<br>• Excellent adhesive properties<br>• Excellent sag resistance for thick applications<br>• Good chemical resistance<br>• Exceptional return to service time | Maximum Temperature:<br><br>Wet Service: 122°F (50°C)<br>Dry Service: 180°F (82°C) |



# MeCaWear - Wear Protection

**Abrasion and erosion resistant polymer coatings**

## MeCaWear A5

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Trowel-grade coating to rebuild, repair and restore equipment. Contains a high volume of platy alumina and silicon carbide particles and reinforced with Kevlar® fibers for exceptional resistance to abrasion and erosion wear. | • Repair & replace ceramic tile<br>• Pipe elbows, chutes<br>• Ash handling pipes & valves<br>• Coal pulverizers & exhausters<br>• Slurry pumps / Screw conveyors | • Economical and easy to use trowel grade wear protection<br>• Sag resistant for high film build-up<br>• Great for odd shapes or to create wear pads<br>• Surface finish is semi rough and easily topcoated with MeCaWear 300 for a smooth finish | Maximum Temperature:<br><br>Wet Service: 122°F (50°C)<br>Dry Service: 195°F (90°C) |

## MeCaWear A5FS

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Get back up and running quickly with this fast-setting version of MeCaWear A5. Engineered for cold weather applications. Cure to touch in 30 minutes. Handle in 1 hour. | • Pipe elbows<br>• Screw conveyors<br>• Coal pulverizers & exhausters<br>• Ash handling pipe<br>• Slurry pumps/Screw conveyors<br>• Ceramic tile repair | • Sag resistant for high film build-up<br>• Great for overhead applications<br>• Will cure down to 35°F / 2°C<br>• Fast setting:<br>Cure - Touch: 30 min. (77°F / 25°C)<br>Cure - Handle: 1 hr (77°F / 25°C)<br>Cure - Service: 2 hrs<br>(temperature dependent) | Maximum Temperature:<br><br>Wet Service: 122°F (50°C)<br>Dry Service: 195°F (90°C) |

## MeCaWear A5HT

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Protect working surfaces at high temperature against wear in severe erosion and abrasion environments with this high temperature version of MeCaWear A5. | • Repair & replace ceramic tile<br>• Pipe elbows, Chutes<br>• Coal Pulverizers & Exhausters<br>• Pump housings, Impellers<br>• Slurry pumps / Screw conveyors | • Economical and easy to use trowel grade wear protection<br>• Sag resistant for high film build-up<br>• Great for odd shapes or to create wear pads<br>• Surface finish is semi rough and easily topcoated with MeCaWear 350 for a smooth finish | Maximum Temperature:<br><br>Wet Service: 140°F (60°C)<br>Dry Service: 329°F (165°C) |

**MeCaSpray Gun**

**MeCaFix 144**

**MeCaWear 300**

**MeCaWear 350**

**MeCaCorr 700**

**MeCaCorr 710**

**MeCaCorr 730**

**MeCaCorr 750**

**MeCaCorr 780**

# MeCaWear - Wear Protection

**Abrasion and erosion resistant polymer coatings**

## MeCaWear A7

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| High performance trowel-grade coating with fine spherical beads, designed for repairs of less than ¼" thick. Pliable by hand for easy contouring and shaping of worn parts. | • Pipe elbows, chutes<br>• Ceramic tile repair<br>• Filter screens<br>• Pulverizers<br>• Slurry pumps/Screw conveyors | • A fine spherical ceramic beaded composite coating that is used when a thinner film or smoother finish is desired<br>• Meets Regulation 21 CFR (FDA) 175.300 for indirect food contact<br>• Allows for improved pliability when design tolerances and contouring is important | Maximum Temperature:<br><br>Wet Service: 122°F (50°C)<br>Dry Service: 195°F (90°C) |

## MeCaWear A7HT

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Protect working surfaces at high temperature against wear in severe erosion and abrasion environments with this high temperature version of MeCaWear A7. | • Pipe Elbows<br>• Screw Conveyors<br>• Pulverizers<br>• Ash Handling Pipe<br>• Ceramic Tile Repair<br>• Flue Dust<br>• Slurry Pumps<br>• Chutes | • A fine spherical ceramic beaded composite coating that is used when a thinner film or smoother finish is desired<br>• Allows for improved pliability when design tolerances and contouring is important | Maximum Temperature:<br><br>Wet Service: 167°F (75°C)<br>Dry Service: 450°F (232°C) |

## MeCaWear 300 - (Not Available in Europe)

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Specially formulated to protect working surfaces against wear by abrasion and erosion. Easily brushed-on or applied by MeCaSpray for a smooth self-levelling surface. | • Cyclones<br>• Hoppers/Chutes<br>• Duct work<br>• Augers/Screw conveyor<br>• Fan blades<br>• Pump Casings/Lining | • Provides a super smooth coating surface<br>• Elastomeric modified for improved impact and abrasion resistance<br>• Reinforced with silicon carbide<br>• Designed for sliding & slurry abrasion<br>• Can be applied by brush or MeCaSpray | Maximum Temperature:<br><br>Wet Service: 122°F (50°C)<br>Dry Service: 195°F (90°C) |

For larger surfaces, application time can be dramatically reduced with the **MeCaSpray Gun**.

# MeCaWear - Wear Protection

**Abrasion and erosion resistant polymer coatings**

## MeCaWear 350

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| High temperature version of MeCaWear 300, for maximum abrasion protection in harsh environments. | • Baghouse/Duct work<br>• Wear Liners<br>• Air heater<br>• Cyclones<br>• Pulverizers<br>• Fly ash separators | • Ultra high temperature resistance<br>• Reinforced with silicon carbide<br>• Good film and release properties<br>• Can be applied by brush or MeCaSpray | Maximum Temperature:<br><br>Wet Service: 300°F (150°C)<br>Dry Service: 518°F (270°C) |

## MeCaWear 400 - (Not Available in Europe)

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Trowel-grade, high build-up coating used to protect working surfaces against wear in severe erosion and abrasion environments. Modified with elastomeric toughening technology to improve crack and impact resistance. | • Pipe elbows, chutes for clinker, cement, sand<br>• Slurry tank bottoms<br>• Coal pulverizers & exhausters<br>• Pump housings, impellers<br>• Screw conveyors | • Highest impact resistance polymer<br>• Loaded with treated angular and ceramic alumina beads<br>• Reinforced with Kevlar®<br>• Excellent alternative to ceramic tile | Maximum Temperature:<br><br>Wet Service: 122°F (50°C)<br>Dry Service: 195°F (90°C) |

## MeCaWear 450

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| High temperature version of MeCaWear 400, for maximum abrasion protection in harsh environments. | • Baghouse/Duct work<br>• Pump lining<br>• Elbows<br>• Fan blades | • Excellent alternative to ceramic tile for high temperature service<br>• High surface hardness<br>• Loaded with treated angular and ceramic alumina beads<br>• Reinforced with Kevlar® | Maximum Temperature:<br><br>Wet Service: 300°F (150°C)<br>Dry Service: 518°F (270°C) |

# MeCaCorr - Corrosion Protection

**Corrosion resistant barrier coatings for immersion and chemical linings**

## MeCaCorr 700 - (Not Available in Europe)

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Designed to provide wear and chemical resistance in wastewater service and is well suited for coating concrete surfaces. | • Concrete protection<br>• Pipelines<br>• Sewer pipe<br>• Digestor tanks<br>• Manholes<br>• Penstocks<br>• Lift stations<br>• Forcemains | • Economical and easy to use<br>• Designed for immersion service<br>• Versatile corrosion protection suitable for a variety of substrates<br>• Cures under cold and damp conditions | Maximum Temperature:<br><br>Wet Service: 85°C (185°F)<br>Dry Service: 50°C (122°F) |

## MeCaCorr 703

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Protect surfaces from abrasive wear and corrosion when in contact with food goods, even in wet environments. Apply by brush. | • Pump Housing<br>• Storage Tank Lining<br>• Resurfacing Metal Loss<br>• Chutes<br>• Process Equipment<br>• Concrete Coating<br>• Valves<br>• Hoppers | • Protects surfaces from wear & corrosion when in contact with food goods<br>• Economical and easy to use<br>• Designed for immersion service<br>• Versatile corrosion protection suitable for a variety of substrates<br>• Cures under cold and damp conditions<br>• Meets regulation 21 CFR(FDA) 175.300 for indirect food contact | Maximum Temperature:<br><br>Wet Service: 122°F (50°C)<br>Dry Service: 190°F (90°C) |

## MeCaCorr 710

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| High performance multi-functional polymer coating designed for immersion service with exceptional resistance to warm water service up to 149 °F (65° C). | • Heat exchanger<br>• Tube sheet / Water box<br>• Pipelining<br>• Storage tanks<br>• Turbines<br>• Waste water<br>• Sea water<br>• Hydrocarbon storage | • Economical and easy to use<br>• Designed for immersion service<br>• Versatile corrosion protection suitable for a variety of substrates<br>• Cures under cold and damp conditions | Maximum Temperature:<br><br>Wet Service: 150°F (65°C)<br>Dry Service: 212°F (100°C) |

# MeCaCorr - Corrosion Protection

**Corrosion resistant barrier coatings for immersion and chemical linings**

## MeCaCorr 730

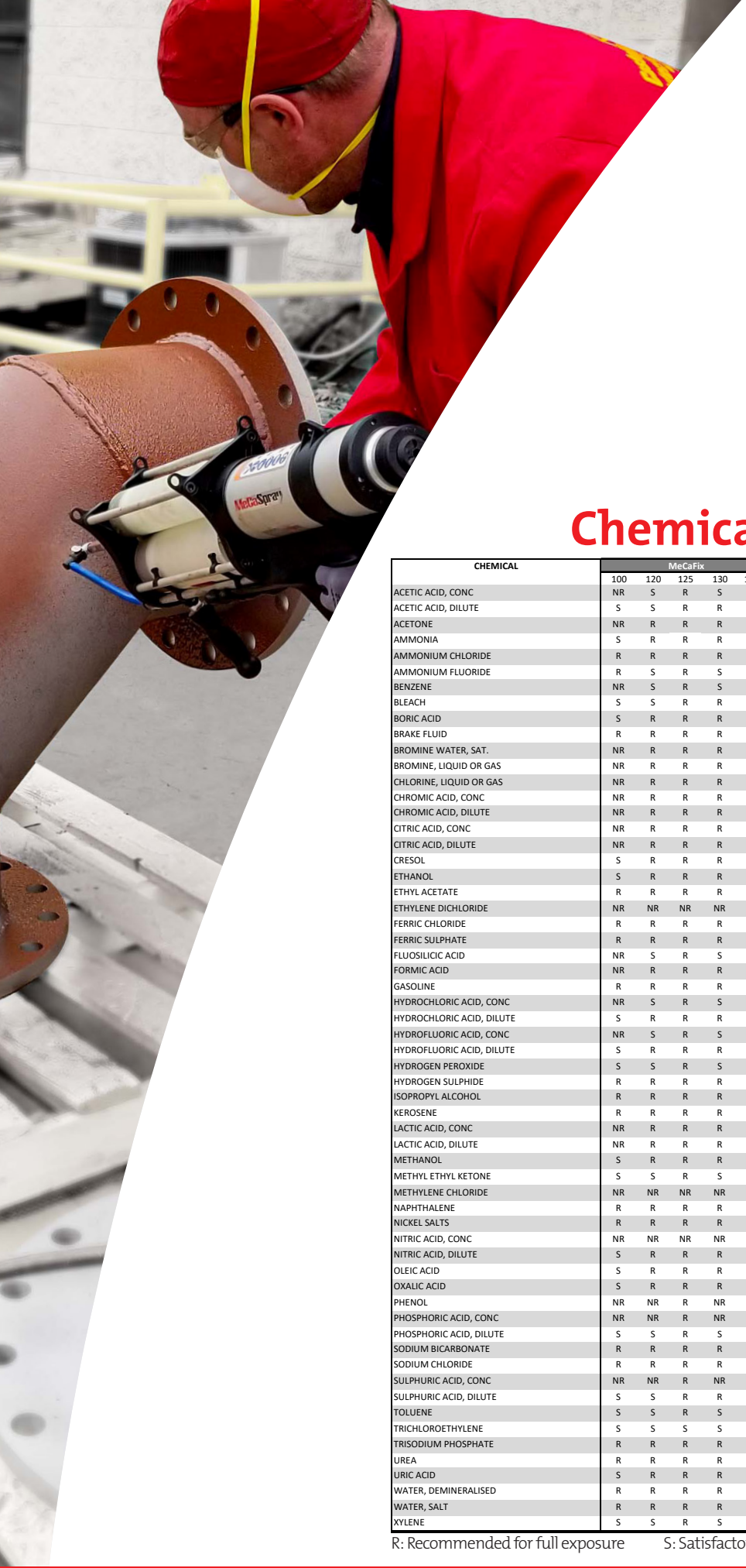
| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| High-performance cross-linked glass flake polymer coating designed to achieve maximum chemical resistance for the restoration of metallic and concrete containment systems. | • Concrete tanks<br>• Clarifiers<br>• Flooring<br>• Basins<br>• Thickener Tanks<br>• Piping<br>• Secondary Contaminant | • Glass flake modified<br>• Excellent chemical resistance<br>• Outstanding performance in acid service<br>• Fast cure and return to service | Maximum Temperature:<br><br>Wet Service: 167°F (75°C)<br>Dry Service: 300°F (150°C) |

## MeCaCorr 750

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Engineered for the restoration and protection of metallic surfaces subjected to harsh corrosion and chemical attack, including crude oil and sulphuric acid service. | • Penstock lining<br>• Pipe coating<br>• Petroleum tanks<br>• Chemical tanks<br>• Heat exchangers | • Glass flake modified<br>• Excellent chemical resistance<br>• Outstanding performance in acid service<br>• Fast cure and return to service | Maximum Temperature:<br><br>Wet Service: 200°F (95°C)<br>Dry Service: 300°F (150°C) |

## MeCaCorr 780

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Unique ceramic hybrid epoxy coating that provides maximum corrosion protection, at high temperatures, in immersion service. | • Tank lining<br>• Scrubbers<br>• Pipe lining<br>• Immersion heater<br>• Stack lining<br>• Heat exchanger | • Highest temperature resistant polymer coating<br>• Excellent under rapid decompression service<br>• Resistant to steam out<br>• Outstanding corrosion protection | Maximum Temperature:<br><br>Wet Service: 356°F (180°C)<br>Dry Service: 470°F (243°C) |



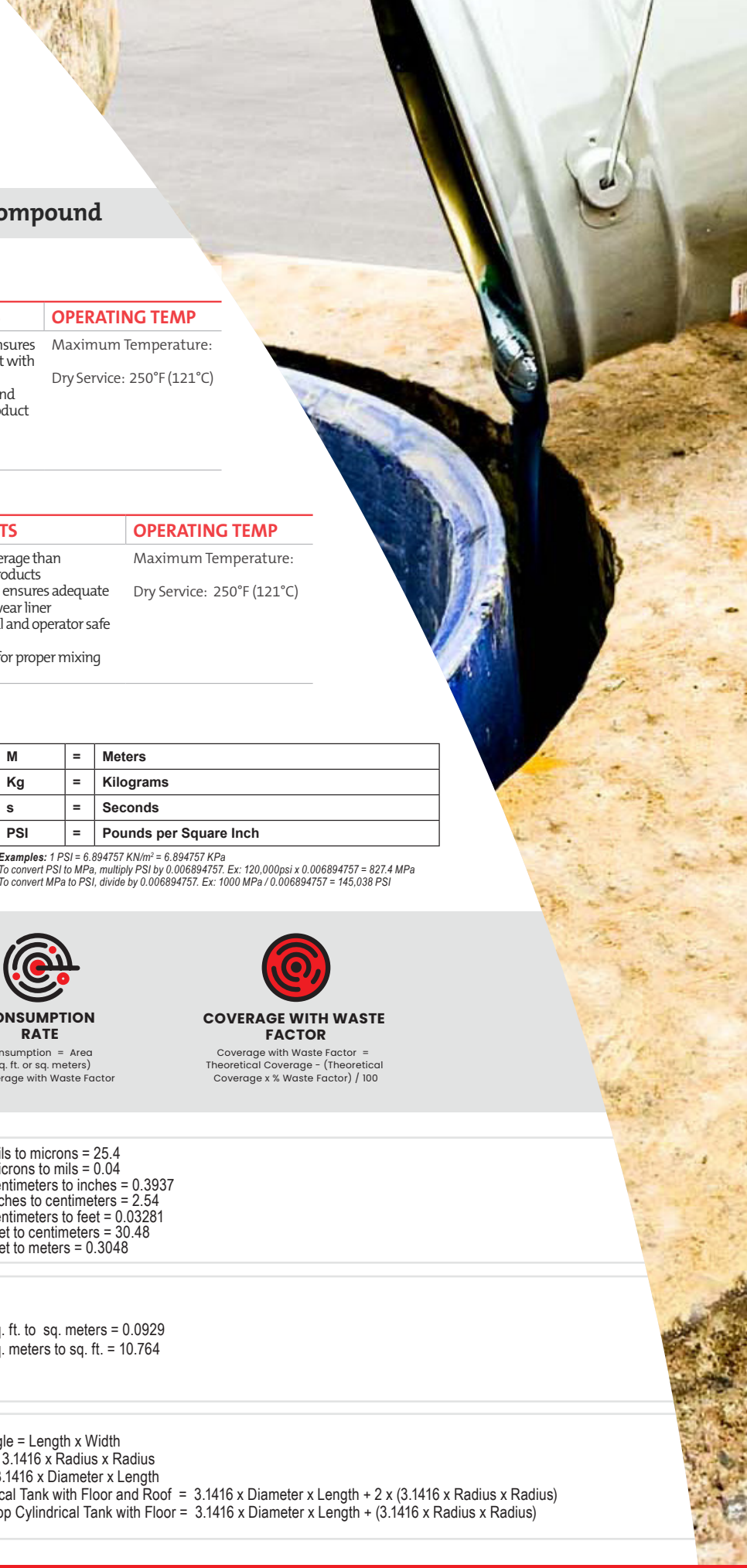
# Chemical Resistance

| CHEMICAL | MeCaFix | | | | | MeCaWear | | | MeCaCorr | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 100 | 120 | 125 | 130 | 144 | 300 & 400 | 350 & 450 | A5 / A5FS / A5HT / A7 / A7HT | 700 &703 | 710 | 730 &750 | 780 |
| ACETIC ACID, CONC | NR | S | R | S | NR | R | R | S | R | R | R | R |
| ACETIC ACID, DILUTE | S | S | R | R | S | R | R | S | R | R | R | R |
| ACETONE | NR | R | R | R | NR | R | R | R | R | R | R | R |
| AMMONIA | S | R | R | R | S | R | R | R | R | R | R | R |
| AMMONIUM CHLORIDE | R | R | R | R | R | R | R | R | R | R | R | R |
| AMMONIUM FLUORIDE | R | S | R | S | R | S | R | S | S | S | R | R |
| BENZENE | NR | S | R | S | NR | R | R | S | R | R | R | R |
| BLEACH | S | S | R | R | S | R | R | S | R | R | R | R |
| BORIC ACID | S | R | R | R | S | R | R | R | R | R | R | R |
| BRAKE FLUID | R | R | R | R | R | R | R | R | R | R | R | R |
| BROMINE WATER, SAT. | NR | R | R | R | NR | R | R | R | R | R | R | R |
| BROMINE, LIQUID OR GAS | NR | R | R | R | NR | S | R | R | S | S | R | R |
| CHLORINE, LIQUID OR GAS | NR | R | R | R | NR | R | R | R | R | R | R | R |
| CHROMIC ACID, CONC | NR | R | R | R | NR | R | R | R | R | R | R | R |
| CHROMIC ACID, DILUTE | NR | R | R | R | NR | R | R | R | R | R | R | R |
| CITRIC ACID, CONC | NR | R | R | R | NR | R | R | R | R | R | R | R |
| CITRIC ACID, DILUTE | NR | R | R | R | NR | R | R | R | R | R | R | R |
| CRESOL | S | R | R | R | S | R | R | R | R | R | R | R |
| ETHANOL | S | R | R | R | S | R | R | R | R | R | R | R |
| ETHYL ACETATE | R | R | R | R | R | R | R | R | R | R | R | R |
| ETHYLENE DICHLORIDE | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| FERRIC CHLORIDE | R | R | R | R | R | R | R | R | R | R | R | R |
| FERRIC SULPHATE | R | R | R | R | R | R | R | R | R | R | R | R |
| FLUOSILICIC ACID | NR | S | R | S | NR | S | R | S | S | S | R | R |
| FORMIC ACID | NR | R | R | R | NR | R | R | R | R | R | R | R |
| GASOLINE | R | R | R | R | R | R | R | R | R | R | R | R |
| HYDROCHLORIC ACID, CONC | NR | S | R | S | NR | S | R | S | S | S | R | R |
| HYDROCHLORIC ACID, DILUTE | S | R | R | R | S | R | R | R | R | R | R | R |
| HYDROFLUORIC ACID, CONC | NR | S | R | S | NR | S | R | S | S | S | S | R |
| HYDROFLUORIC ACID, DILUTE | S | R | R | R | S | R | R | R | R | R | R | R |
| HYDROGEN PEROXIDE | S | S | R | S | S | R | R | S | R | R | R | R |
| HYDROGEN SULPHIDE | R | R | R | R | R | R | R | R | R | R | R | R |
| ISOPROPYL ALCOHOL | R | R | R | R | R | R | R | R | R | R | R | R |
| KEROSENE | R | R | R | R | R | R | R | R | R | R | R | R |
| LACTIC ACID, CONC | NR | R | R | R | NR | R | R | R | R | R | R | R |
| LACTIC ACID, DILUTE | NR | R | R | R | NR | R | R | R | R | R | R | R |
| METHANOL | S | R | R | R | S | R | R | R | R | R | R | R |
| METHYL ETHYL KETONE | S | S | R | S | S | S | R | S | S | R | R | R |
| METHYLENE CHLORIDE | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| NAPHTHALENE | R | R | R | R | R | R | R | R | R | R | R | R |
| NICKEL SALTS | R | R | R | R | R | R | R | R | R | R | R | R |
| NITRIC ACID, CONC | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| NITRIC ACID, DILUTE | S | R | R | R | S | R | R | R | R | R | R | R |
| OLEIC ACID | S | R | R | R | S | R | R | R | R | R | R | R |
| OXALIC ACID | S | R | R | R | S | R | R | R | R | R | R | R |
| PHENOL | NR | NR | R | NR | NR | R | R | NR | R | R | R | R |
| PHOSPHORIC ACID, CONC | NR | NR | R | NR | NR | R | R | NR | R | R | R | R |
| PHOSPHORIC ACID, DILUTE | S | S | R | S | S | R | R | S | R | R | R | R |
| SODIUM BICARBONATE | R | R | R | R | R | R | R | R | R | R | R | R |
| SODIUM CHLORIDE | R | R | R | R | R | R | R | R | R | R | R | R |
| SULPHURIC ACID, CONC | NR | NR | R | NR | NR | NR | R | NR | NR | NR | R | R |
| SULPHURIC ACID, DILUTE | S | S | R | R | S | R | R | S | R | R | R | R |
| TOLUENE | S | S | R | S | S | R | R | S | R | R | R | R |
| TRICHLOROETHYLENE | S | S | S | S | S | S | S | S | S | S | S | S |
| TRISODIUM PHOSPHATE | R | R | R | R | R | R | R | R | R | R | R | R |
| UREA | R | R | R | R | R | R | R | R | R | R | R | R |
| URIC ACID | S | R | R | R | S | R | R | R | R | R | R | R |
| WATER, DEMINERALISED | R | R | R | R | R | R | R | R | R | R | R | R |
| WATER, SALT | R | R | R | R | R | R | R | R | R | R | R | R |
| XYLENE | S | S | R | S | S | R | R | S | R | R | R | R |

R: Recommended for full exposure S: Satisfactory for splash and spillage exposure NR: Not recommended

# MeCaBack - Crusher Backing Compound

## Energy absorbing, impact resistant filler compound



### MeCaBack 900

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Pourable crusher backing compound that eliminates wear liner gaps and voids and improves the operational performance of the entire crusher system. | • Cone Crusher<br>• Gyratory Crusher<br>• Grinding Mills<br>• Backing Plates<br>• Machine Bedding<br>• Grouting | • Low shrinkage ensures adequate contact with wear liner<br>• Environmental and operator safe product<br>• Color-change for proper mixing | Maximum Temperature:<br><br>Dry Service: 250°F (121°C) |

### MeCaBack 950 - (North America Only)

| TYPE | APPLICATIONS | KEY BENEFITS | OPERATING TEMP |
|---|---|---|---|
| Nano rubber crack arresting crusher backing compound that eliminates wear liner gaps and voids and improves the operational performance of the entire crusher system. | • Cone Crusher<br>• Gyratory Crusher<br>• Grinding Mills<br>• Backing Plates<br>• Machine Bedding<br>• Grouting | • 60% more coverage than competitive products<br>• Low shrinkage ensures adequate contact with wear liner<br>• Environmental and operator safe product<br>• Color-change for proper mixing | Maximum Temperature:<br><br>Dry Service: 250°F (121°C) |

## Conversion Tables

| | | |
|---|---|---|
| **N** | = | **Newtons** (1N = 1 kgm/s$^2$) |
| **Pa** | = | **Pascals** (1 Pa = 0.1 kg/m$^2$) |
| **kPa** | = | **Kilopascals** (1 KPa = 1000 Pa = 1 KN/m$^2$) |
| **MPa** | = | **Megapascals** (1 MPa = 1000 KPa = 1 million Pascals) |
| **GPa** | = | **Gigapascals** (1 GPa = 1000 MPa = 1 million KPa) |

| | | |
|---|---|---|
| **M** | = | **Meters** |
| **Kg** | = | **Kilograms** |
| **s** | = | **Seconds** |
| **PSI** | = | **Pounds per Square Inch** |

***Examples:*** *1 PSI = 6.894757 KN/m$^2$ = 6.894757 KPa*
*To convert PSI to MPa, multiply PSI by 0.006894757. Ex: 120,000psi x 0.006894757 = 827.4 MPa*
*To convert MPa to PSI, divide by 0.006894757. Ex: 1000 MPa / 0.006894757 = 145,038 PSI*

**THEORETICAL COATING COVERAGE**

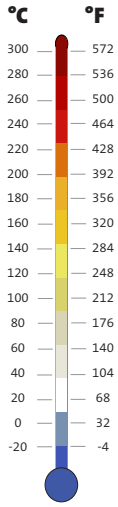
sq. ft. / US gal = ((% solids by volume) / 100) x 1604
Sq. meters / liter = ((% solids by volume) / 100) x 1000 / dry film thickness (microns)

**CONSUMPTION RATE**

Consumption = Area (sq. ft. or sq. meters) / Coverage with Waste Factor

**COVERAGE WITH WASTE FACTOR**

Coverage with Waste Factor = Theoretical Coverage - (Theoretical Coverage x % Waste Factor) / 100




**TO CONVERT LENGTH**

From mils to microns = 25.4
From microns to mils = 0.04
From centimeters to inches = 0.3937
From inches to centimeters = 2.54
From centimeters to feet = 0.03281
From feet to centimeters = 30.48
From feet to meters = 0.3048

**TO CONVERT AREA**

From sq. ft. to sq. meters = 0.0929
From sq. meters to sq. ft. = 10.764

**AREA CALCULATIONS**

Rectangle = Length x Width
Circle = 3.1416 x Radius x Radius
Pipe = 3.1416 x Diameter x Length
Cylindrical Tank with Floor and Roof = 3.1416 x Diameter x Length + 2 x (3.1416 x Radius x Radius)
Open Top Cylindrical Tank with Floor = 3.1416 x Diameter x Length + (3.1416 x Radius x Radius)

## WATER / WASTE WATER

- Piping systems
- Digester tanks
- Clarifiers
- Manholes
- Lift stations
- Sludge pumps
- Sand filters
- Pumps
- Valves

## MINING / CEMENT

- Wear piping
- Buckets
- Chutes
- Hoppers
- Kiln wall
- Gas ducting
- Baghouse
- Gyratory crusher
- Cone crusher

## CHEMICAL / OIL & GAS

- Hydrocarbon storage
- Heat exchangers
- Piping systems
- Autoclave
- Pressure vessels
- Condensers
- Separators
- Cargo vessels
- Containment pumps
- Pumps

## POWER GENERATION

- Heat exchangers
- Tube sheets
- Condensers
- Waterboxes
- Scrubbers
- Absorber tower
- FGD ducting
- Baghouse
- ID fans, precipitators
- Cooling tower basin
- Chemical containment
- Pulverizers
- Ash piping
- Silos
- Piping
- Pumps

## STEEL

- Flooring
- Pumps
- Chemical containment
- Gas ducting
- FGD ducting
- Baghouse
- Pulverizers
- Ash piping
- Chemical containment
- Silos
- Cooling tower basin
- ID fans, precipitators

## PULP AND PAPER

- Augers/screws
- Fans/blowers
- Hoppers
- Tank lining
- Secondary containment
- Fluid handling
- Pumps
- Evaporators
- Duct repair
- Condenser protection
- Pressure vessel
- Flooring

## *Contact Your Dedicated Wear Expert Today!*

*United States (800) 558-8524*
*Canada (800) 361-9439*



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