



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.	<ul style="list-style-type: none"> • Piping • Threads • Resurfacing metal loss • Cold bonding adhesive • Leaks • Wood repair • Castings 	<ul style="list-style-type: none"> • Extremely fast dry to touch time • Low temperature cure • Excellent adhesive properties • Suitable for live repair of active leaks • Go to repair product for rapid maintenance repairs 	Maximum Temperature: Wet Service: 104°F (40°C) 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.	<ul style="list-style-type: none"> • Butterfly and gate valves • Tube sheets • Propellers • Resurfacing metal loss • Pump housings & impellers • Scored hydraulic rams • Cracked casings 	<ul style="list-style-type: none"> • Low temperature cure • Excellent adhesive properties • Excellent sag resistance for thick applications • Designed to be precision machined with low defects • Exceptional resistance to pressure and deformation 	Maximum Temperature: Wet Service: 122°F (50°C) 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.	<ul style="list-style-type: none"> • Butterfly and gate valves • Tube sheets • Propellers • Resurfacing metal loss • Pump housings and impellers • Scored hydraulic rams • Cracked casings 	<ul style="list-style-type: none"> • Low temperature cure • High temperature resistance • Superb sag resistance • Designed to be precision machined with low defects • Easy-of-use in any position 	Maximum Temperature: Wet Service: 300°F (150°C) Dry Service: 480°F (250°C)

MeCaFix 130

TYPE	APPLICATIONS	KEY BENEFITS	OPERATING TEMP
Versatile stand-alone ceramic rebuild compound or use as a wear tile embedment adhesive and overlay grout. Resurface worn equipment exposed to abrasion, corrosion, cavitation, and industrial chemicals.	<ul style="list-style-type: none"> • Cracked casings • Pump housings • Resurfacing metal loss • Chutes • Tube sheet repair • Ceramic Tile Adhesive/Grout • Butterfly Gate Valve Repairs • Hoppers 	<ul style="list-style-type: none"> • Hard, tough, durable film • Outstanding adhesion • Non sag • Supports overhead tile installation • One coat high build protection • Extreme abrasion protection • Broad chemical resistance 	Maximum Temperature: Wet Service: 176°F (80°C) 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.	<ul style="list-style-type: none"> • Roller coating • Fill in caulking • Off road protection • Cast parts • Chute protection • Hopper lining • Geotextile reinforcement • Repair expansion joints 	<ul style="list-style-type: none"> • Low temperature cure • Excellent adhesive properties • Excellent sag resistance for thick applications • Good chemical resistance • Exceptional return to service time 	Maximum Temperature: Wet Service: 122°F (50°C) 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.	<ul style="list-style-type: none"> • Repair & replace ceramic tile • Pipe elbows, chutes • Ash handling pipes & valves • Coal pulverizers & exhausters • Slurry pumps / Screw conveyors 	<ul style="list-style-type: none"> • Economical and easy to use trowel grade wear protection • Sag resistant for high film build-up • Great for odd shapes or to create wear pads • Surface finish is semi rough and easily topcoated with MeCaWear 300 for a smooth finish 	Maximum Temperature: Wet Service: 122°F (50°C) 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.	<ul style="list-style-type: none"> • Pipe elbows • Screw conveyors • Coal pulverizers & exhausters • Ash handling pipe • Slurry pumps/Screw conveyors • Ceramic tile repair 	<ul style="list-style-type: none"> • Sag resistant for high film build-up • Great for overhead applications • Will cure down to 35°F / 2°C • Fast setting: <ul style="list-style-type: none"> Cure - Touch: 30 min. (77°F / 25°C) Cure - Handle: 1 hr (77°F / 25°C) Cure - Service: 2 hrs (temperature dependent) 	Maximum Temperature: Wet Service: 122°F (50°C) 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.	<ul style="list-style-type: none"> • Repair & replace ceramic tile • Pipe elbows, Chutes • Coal Pulverizers & Exhausters • Pump housings, Impellers • Slurry pumps / Screw conveyors 	<ul style="list-style-type: none"> • Economical and easy to use trowel grade wear protection • Sag resistant for high film build-up • Great for odd shapes or to create wear pads • Surface finish is semi rough and easily topcoated with MeCaWear 350 for a smooth finish 	Maximum Temperature: Wet Service: 140°F (60°C) 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 1/4" thick. Pliable by hand for easy contouring and shaping of worn parts.	<ul style="list-style-type: none">• Pipe elbows, chutes• Ceramic tile repair• Filter screens• Pulverizers• Slurry pumps/Screw conveyors	<ul style="list-style-type: none">• A fine spherical ceramic beaded composite coating that is used when a thinner film or smoother finish is desired.• Meets Regulation 21 CFR (FDA) 175.300 for indirect food contact• Allows for improved pliability when design tolerances and contouring is important	Maximum Temperature: Wet Service: 122°F (50°C) 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.	<ul style="list-style-type: none">• Pipe Elbows• Screw Conveyors• Pulverizers• Ash Handling Pipe• Ceramic Tile Repair• Flue Dust• Slurry Pumps• Chutes	<ul style="list-style-type: none">• A fine spherical ceramic beaded composite coating that is used when a thinner film or smoother finish is desired• Allows for improved pliability when design tolerances and contouring is important	Maximum Temperature: Wet Service: 162°F (75°C) 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.	<ul style="list-style-type: none">• Cyclones• Hoppers/Chutes• Duct work• Augers/Screw conveyor• Fan blades• Pump Casings/Lining	<ul style="list-style-type: none">• Provides a super smooth coating surface• Elastomeric modified for improved impact and abrasion resistance• Reinforced with silicon carbide• Designed for sliding & slurry abrasion• Can be applied by brush or MeCaSpray	Maximum Temperature: Wet Service: 122°F (50°C) 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.	<ul style="list-style-type: none">• Baghouse/Duct work• Wear Liners• Air heater• Cyclones• Pulverizers• Fly ash separators	<ul style="list-style-type: none">• Ultra high temperature resistance• Reinforced with silicon carbide• Good film and release properties• Can be applied by brush or MeCaSpray	Maximum Temperature: Wet Service: 300°F (150°C) 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.	<ul style="list-style-type: none">• Pipe elbows, chutes for clinker, cement, sand• Slurry tank bottoms• Coal pulverizers & exhausters• Pump housings, impellers• Screw conveyors	<ul style="list-style-type: none">• Highest impact resistance polymer• Loaded with treated angular and ceramic alumina beads• Reinforced with Kevlar®• Excellent alternative to ceramic tile	Maximum Temperature: Wet Service: 122°F (50°C) 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.	<ul style="list-style-type: none">• Baghouse/Duct work• Pump lining• Elbows• Fan blades	<ul style="list-style-type: none">• Excellent alternative to ceramic tile for high temperature service• High surface hardness• Loaded with treated angular and ceramic alumina beads• Reinforced with Kevlar®	Maximum Temperature: Wet Service: 300°F (150°C) 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.	<ul style="list-style-type: none"> • Concrete protection • Pipelines • Sewer pipe • Digestor tanks • Manholes • Penstocks • Lift stations • Force mains 	<ul style="list-style-type: none"> • Economical and easy to use • Designed for immersion service • Versatile corrosion protection suitable for a variety of substrates • Cures under cold and damp conditions 	Maximum Temperature: Wet Service: 85°C (185°F) 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.	<ul style="list-style-type: none"> • Pump Housing • Storage Tank Lining • Resurfacing Metal Loss • Chutes • Process Equipment • Concrete Coating • Valves • Hoppers 	<ul style="list-style-type: none"> • Protects surfaces from wear & corrosion when in contact with food goods • Economical and easy to use • Designed for immersion service • Versatile corrosion protection suitable for a variety of substrates • Cures under cold and damp conditions • Meets regulation 21 CFR (FDA) 175.300 for indirect food contact 	Maximum Temperature: Wet Service: 122°F (50°C) 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).	<ul style="list-style-type: none"> • Heat exchanger • Tube sheet / Water box • Pipelining • Storage tanks • Turbines • Waste water • Sea water • Hydrocarbon storage 	<ul style="list-style-type: none"> • Economical and easy to use • Designed for immersion service • Versatile corrosion protection suitable for a variety of substrates • Cures under cold and damp conditions 	Maximum Temperature: Wet Service: 150°F (65°C) 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.	<ul style="list-style-type: none"> • Concrete tanks • Clarifiers • Flooring • Basins • Thickener Tanks • Piping • Secondary Contaminant 	<ul style="list-style-type: none"> • Glass flake modified • Excellent chemical resistance • Outstanding performance in acid service • Fast cure and return to service 	Maximum Temperature: Wet Service: 167°F (75°C) 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.	<ul style="list-style-type: none"> • Penstock lining • Pipe coating • Petroleum tanks • Chemical tanks • Heat exchangers 	<ul style="list-style-type: none"> • Glass flake modified • Excellent chemical resistance • Outstanding performance in acid service • Fast cure and return to service 	Maximum Temperature: Wet Service: 200°F (95°C) 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.	<ul style="list-style-type: none"> • Tank lining • Scrubbers • Pipe lining • Immersion heater • Stack lining • Heat exchanger 	<ul style="list-style-type: none"> • Highest temperature resistant polymer coating • Excellent under rapid decompression service • Resistant to steam out • Outstanding corrosion protection 	Maximum Temperature: Wet Service: 356°F (180°C) Dry Service: 470°F (243°C)



Chemical Resistance

CHEMICAL	Metals					NonMetals					Plastics				
	300	320	325	330	344	300 & 400	350 & 450	AS / ASRS / ASHT / AT / ATHT			700 & 705	710	750 & 750	750	
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	
BRASS 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	
NITRIL 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	
ZYLENE	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.	<ul style="list-style-type: none"> Cone Crusher Gyratory Crusher Grinding Mills Backing Plates Machine Bedding Grouting 	<ul style="list-style-type: none"> Low shrinkage ensures adequate contact with wear liner Environmental and operator safe product Color-change for proper mixing 	Maximum Temperature: 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.	<ul style="list-style-type: none"> Cone Crusher Gyratory Crusher Grinding Mills Backing Plates Machine Bedding Grouting 	<ul style="list-style-type: none"> 60% more coverage than competitive products Low shrinkage ensures adequate contact with wear liner Environmental and operator safe product Color-change for proper mixing 	Maximum Temperature: Dry Service: 250°F (121°C)

Conversion Tables

N	=	Newtons (1N = 1 kgm/s ²)	M	=	Meters
Pa	=	Pascals (1 Pa = 0.1 kg/m ²)	Kg	=	Kilograms
kPa	=	Kilopascals (1 kPa = 1000 Pa = 1 kN/m ²)	s	=	Seconds
MPa	=	Megapascals (1 MPa = 1000 kPa = 1 million Pascals)	PSI	=	Pounds per Square Inch
GPa	=	Gigapascals (1 GPa = 1000 MPa = 1 million kPa)			

Examples: 1 PSI = 6.894757 kN/m² = 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

$$\frac{\text{sq. ft. / US gal.}}{\left(\frac{(\% \text{ solids by volume})}{100} \times 3604 \right)} = \frac{\text{sq. meters / liter}}{\left(\frac{(\% \text{ solids by volume})}{100} \times 3000 \right) / \text{dry film thickness (microns)}}$$



CONSUMPTION RATE

$$\frac{\text{Consumption} \times \text{Area}}{(\text{sq. ft. or sq. meters})} = \frac{\text{Coverage with Waste Factor}}{\text{Coverage with Waste Factor}}$$



COVERAGE WITH WASTE FACTOR

$$\frac{\text{Coverage with Waste Factor}}{\text{theoretical Coverage} - (\text{theoretical Coverage} \times \% \text{ Waste Factor})} = 100$$



TO CONVERT LENGTH

From mills to microns = 25.4
 From microns to mills = 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
- Gyration 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!**

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