

Surface Repair



EMACO® R300 CI

Emaco R300 CI repair mortar is a one-component thixotropic polymer-modified cement-based profiling mortar with an integral corrosion inhibitor. Emaco® R300 CI is used for leveling or resurfacing distressed concrete both interior and exterior. It is shrinkage compensated, fast setting, and chloride and carbon resistant.

Features:

- Low permeability
- Contains an integral corrosion inhibitor
- Sprayable
- One component
- Low modulus of elasticity
- Versatile
- Early strength gain

Benefits:

- Resists moisture and chloride intrusion
- Prevents corrosion from a wide range of sources and environments
- Reduces labor requirements
- Easy mixing and handling; components not damaged by freezing
- Improved compatibility for surface renovation
- Use on vertical and overhead surfaces or horizontal surfaces with foot traffic
- Ready for pedestrian traffic in 6 hours

Product Information

EMACO® R310 CI

Emaco R310 CI repair mortar is a polymer-modified cement-based mortar with an integral corrosion inhibitor. It is used for patching or resurfacing distressed horizontal concrete surfaces. Emaco R310 CI repair mortar is designed for both interior and exterior use.

Features:

- Low permeability
- One component
- Low modulus of elasticity
- Contains an integral corrosion inhibitor
- Abrasion resistant
- Early strength gain
- Shrinkage compensated
- Polymer modified

Benefits :

- Resists moisture and chloride intrusion
- Easy mixing and handling; components not damaged by freezing
- Improved compatibility for surface renovation
- Prevents corrosion from a wide range of sources and environments
- Excellent protection from vehicular traffic
- Ready for pedestrian traffic in 4 hours, vehicular traffic in 1 day
- Reduces stress at the bondline
- Improved bond to surrounding concrete

Product Information



RE-CRETE™ 5-MINUTE AND 20-MINUTE SET

DESCRIPTION:

Re-Crete 5 Minute and Re-Crete Light 5 Minute are general purpose patching materials containing portland cement, special hardeners and set accelerators to provide accelerated set time. Re-Crete 5 Minute and Re-Crete Light 5 Minute is especially formulated to provide a "FAST SET" with an initial set time of 3 minutes and a final set of 8 minutes. Re-Crete 5 Minute and Re-Crete Light 5 Minute are specially formulated dry cementitious product that needs to be mixed with appropriate portions of water.

Product Information MSDS Data Sheet

Kansas City Corporate Headquarters, 2440 W. Penneway, Kansas City, Missouri 64141 816-471-2570 800-444-2570 816-421-2946 (FAX)

Olathe
19930 W. 157th St.
816-471-2570
800-444-2570
Fax: 913-768-0371

Wichita
4311 W. 29th Cir. S.
316-942-6712
800-829-1201
Fax: 316-942-1414

Springfield
2035 West Vista
417-865-7184
800-323-7184
Fax: 417-865-7186



Columbia
5250 Hwy 763 N.
573-449-5204
888-375-7109
Fax: 573-449-7736

Collinsville
1700 St. Louis Rd.
618-398-4377
800-642-2651
Fax: 618-397-7385

St. Louis
1441 N. Warson Rd.
314-423-6550
800-359-1201
Fax: 314-423-7548

Surface Repair



EMACO[®] 350 CI

Description

EMACO[®] R350 CI repair mortar is a low-density, one-component, polymer-modified, shrinkage-compensated lightweight renovation mortar that contains an integral corrosion inhibitor. The product is ideally suited for patching and/or resurfacing distressed concrete. The lightweight nature of the product allows for excellent build without sagging. EMACO[®] R350 CI repair mortar is designed for both interior and exterior use.

Features/Benefits

- Corrosion resistant - contains an integral corrosion inhibitor
- One component - easy mixing and handling
- Low permeability - resists moisture and chloride intrusion
- Low modulus of elasticity - improved compatibility for surface renovation
- Economical - excellent yield per bag, low unit weight

Product Data Sheet

EMACO[®] S66CI

Description

Emaco[®] S66 CI is a rheoplastic, pourable, shrinkage-compensated repair concrete. It has a unique formulation that provides excellent bond, resistance to sulfates and chlorides, high electrical resistivity, low permeability, high-compressive strengths, and protection from corrosion.

Features Benefits

- Contains an integral corrosion inhibitor
- Suitable for exterior applications
- One component Easy mixing and handling
- Low permeability Resists moisture and chloride intrusion
- Freeze/thaw and sulfate resistant Creates durable repairs
- Abrasion resistant Excellent protection from vehicular traffic
- Excellent workability
- High slump and good pumpability for formed applications
- Shrinkage compensated Reduces stress at the bondline

Product Data Sheet

EMACO[®] S77CI

Description:

Emaco[®] S77 CI - Very flowable structural repair mortar with integral corrosion inhibitor. Uses: repairing horizontal and formed vertical and overhead concrete; minimum application 3/8", maximum application 1-1/2" (without extension); repairing preplaced aggregate. Features: excellent for form-and-pump or -pour applications; excellent bond; high-compressive strength; high electrical resistivity; freeze-thaw resistant; sulfate resistant; resists water and chloride ion penetration.

Features Benefits

- Quality controlled
- Produces uniform, predictable results
- One component; requires only the addition of potable water for mixing
- No additional bonding agent required
- Sprayable, virtually no rebound
- Sulfate-resistant and freeze/thaw durable
- For use in adverse weather environments
- Silica-fume formulation
- Denser matrix and extremely low permeability
- Integral corrosion inhibitor Ideal for wet, corrosive environments

Product Data Sheet

Kansas City Corporate Headquarters, 2440 W. Penway, Kansas City, Missouri 64141 816-471-2570 800-444-2570 816-421-2946 (FAX)

Olathe
19930 W. 157th St.
816-471-2570
800-444-2570
Fax: 913-768-0371

Wichita
4311 W. 29th Cir. S.
316-942-6712
800-829-1201
Fax: 316-942-1414

Springfield
2035 West Vista
417-865-7184
800-323-7184
Fax: 417-865-7186



Columbia
5250 Hwy 763 N.
573-449-5204
888-375-7109
Fax: 573-449-7736

Collinsville
1700 St. Louis Rd.
618-398-4377
800-642-2651
Fax: 618-397-7385

St. Louis
1441 N. Warson Rd.
314-423-6550
800-359-1201
Fax: 314-423-7548

Surface Repair



EMACO[®] S88CI

DESCRIPTION:

Emaco S88 CI repair mortar is a one-component rheoplastic, shrinkage-compensated, fiber-reinforced product that contains an integral corrosion inhibitor. It contains silica fume to offer high strength and superior performance for structural concrete repairs. Emaco S88 CI can be applied vertically or overhead by low-pressure spraying or hand troweling.

BENEFITS:

- Produces uniform, predictable results
- Requires only the addition of potable water for mixing
- Bonds tenaciously to concrete
- Low waste
- For use in adverse weather environments
- Denser matrix and extremely low permeability
- Ideal for wet, corrosive environments
- Long-lasting, durable repairs and bond strengths
- Reduces stress at the bondline

EMACO[®] T415

DESCRIPTION:

Emaco T415 repair mortar is one-component high-performance cementitious product. It produces high early strengths at a wide range of temperatures and can be placed into service for standard rubber-tire traffic in as little as 2 hours (depending on temperature). Emaco T415 meets the ASTM C 928 specification for rapid repair of concrete.

BENEFITS:

- Can be coated with epoxy within 4 hours
- Reduces dependency on weather (20 to 85° F [-7 to 29° C])
- Just add water and mix
- Rapidly returns repaired areas to service (1,500 psi)
- Usable in most environments freeze/thaw cycles
- Economical repairs deep patches

Product Data Sheet

EMACO[®] T430

DESCRIPTION:

Emaco T430 repair mortar is a one-component high-performance cementitious product. It produces high early strengths at a wide range of temperatures and can be placed into service for standard rubber-tire traffic in as little as 6 hours. Emaco T430 is specially suited for hot-weather applications when an extended working time is required.

BENEFITS:

- Will accept an epoxy coating within 6 hours
- Reduces dependency on weather (20 to 100° F [-7 to 38° C])
- Rapidly returns repaired areas to service (1,000 psi)
- Usable in most environments freeze/thaw cycles

Product Data Sheet

Product Data Sheet

Kansas City Corporate Headquarters, 2440 W. Penneway, Kansas City, Missouri 64141 816-471-2570 800-444-2570 816-421-2946 (FAX)

Olathe
19930 W. 157th St.
816-471-2570
800-444-2570
Fax: 913-768-0371

Wichita
4311 W. 29th Cir. S.
316-942-6712
800-829-1201
Fax: 316-942-1414

Springfield
2035 West Vista
417-865-7184
800-323-7184
Fax: 417-865-7186



Columbia
5250 Hwy 763 N.
573-449-5204
888-375-7109
Fax: 573-449-7736

Collinsville
1700 St. Louis Rd.
618-398-4377
800-642-2651
Fax: 618-397-7385

St. Louis
1441 N. Warson Rd.
314-423-6550
800-359-1201
Fax: 314-423-7548

Surface Repair



MBT SET® 45

DESCRIPTION:

Set 45 is a one-component magnesium phosphate-based patching and repair mortar. This concrete repair and anchoring material sets in approximately 15 minutes and takes rubber-tire traffic in 45 minutes. It comes in two formulations: Set® 45 Regular for ambient temperatures below 85° F (29° C) and Set 45 Hot Weather for ambient temperatures ranging from 85 to 100° F (29 to 38° C).

BENEFITS:

- Just add water and mix
- Rapidly returns repairs to service in 1 hour
- From below freezing to hot weather exposures
- Bonds to concrete and masonry without a bonding agent
- Improved bond to surrounding concrete
- Usable in most environments and deicing chemicals
- Fast, simple curing process
- More permanent repairs to Portland cement concrete
- Stable where conventional mortars degrade

10-60 RAPID MORTAR

[Product Data Sheet](#)

DESCRIPTION:

10-60 Rapid Mortar is a one-component shrinkage-compensated very rapid-setting cement-based mortar. It is designed for horizontal concrete surfaces where high early strength gain is required.

BENEFITS:

- Prevent chloride intrusion
- Structures can be opened to vehicular traffic in 1 hour; epoxy coated in as little as 4 hours
- Outstanding durability
- Volume stability
- Minimizes cracking from drying shrinkage; reduces stress at the bond line

MBT EMACO® HBA REPAIR MORTAR

[Product Data Sheet](#)

DESCRIPTION:

HBA Repair Mortar is supplied as a two-component, polymer modified repair mortar. The incorporation of lightweight hollow inorganic modules allows for high-build applications. Provides solid performance adhesion and thermal compatibility,

MBT EMACO® GEL PATCH

[Product Data Sheet](#)

DESCRIPTION:

Emaco® GEL Patch is a one-component low-density, polymer-modified renovation mortar that contains an integral corrosion inhibitor. It is ideally suited for patching and resurfacing distressed concrete. Its lightweight nature allows for excellent build without sagging.

BENEFITS:

- Resists moisture and chloride intrusion
- Prevents corrosion
- Improved compatibility
- Easy mixing and handling
- Economical repairs
- Reduces stress; improved bond

[Product Data Sheet](#)

Kansas City Corporate Headquarters, 2440 W. Penneway, Kansas City, Missouri 64141 816-471-2570 800-444-2570 816-421-2946 (FAX)

Olathe
19930 W. 157th St.
816-471-2570
800-444-2570
Fax: 913-768-0371

Wichita
4311 W. 29th Cir. S.
316-942-6712
800-829-1201
Fax: 316-942-1414

Springfield
2035 West Vista
417-865-7184
800-323-7184
Fax: 417-865-7186



Columbia
5250 Hwy 763 N.
573-449-5204
888-375-7109
Fax: 573-449-7736

Collinsville
1700 St. Louis Rd.
618-398-4377
800-642-2651
Fax: 618-397-7385

St. Louis
1441 N. Warson Rd.
314-423-6550
800-359-1201
Fax: 314-423-7548

Surface Repair



PRIME GEL 2000

DESCRIPTION:

Prime Gel 2000 is an extremely smooth consistency two component epoxy gel adhesive that won't sag, run or drip in vertical or overhead applications.



WATERPLUG®

USES:

- Surface seal of cracks in concrete, masonry, stone, and wood prior to injection.
- Patching vertical and overhead concrete, masonry, stone and wood surfaces.
- Bonding materials such as concrete, steel, wood, stone, and masonry.
- Grouting of dowel bars, bolts, pins, etc.

[Product Data Sheet](#)

DESCRIPTION:

Waterplug is a one-component, quick-setting, Portland-cement-based hydraulic repair mortar that instantly stops running water through holes or cracks in concrete or masonry. It expands as it sets to lock into place even under constant water pressure.

BENEFITS:

- Stops running water; develops high strength quickly
- Sets above or below water
- Expands to lock in place
- Mixes easily with water only
- Minimizes downtime with appropriate product
- Maintains volume stability over time
- Use in all seasons and climates

[Product Data Sheet](#)



DESCRIPTION:

Mapecem Quickpatch is a versatile, fast-setting, cementitious material used for the patching of interior/exterior concrete surfaces including concrete floors, driveways, sidewalks and concrete pads. Mapecem Quickpatch features extraordinary ease of placement, with a variable water ratio and outstanding workability. Light gray Mapecem Quickpatch can be applied from featheredge to 3" (7,5 cm) for ramping or filling. That makes it ideal for restoring weathered, damaged concrete surfaces to a uniform, superior wearing and better-than-new appearance. When used for horizontal substrate repair before application of self-leveling underlayments, Mapecem Quickpatch sets fast for easy and cost-efficient repairs, minimizing job-site turnaround time.

USES:

- Patching concrete floors
- Patching exterior concrete, sidewalks, and driveways
- Smoothing and ramping elevation changes
- Patching finished concrete surfaces where concrete's natural gray color is desired



[Product Data Sheet](#)

[MSDS Data Sheet](#)

Kansas City Corporate Headquarters, 2440 W. Penneway, Kansas City, Missouri 64141 816-471-2570 800-444-2570 816-421-2946 (FAX)

Olathe
19930 W. 157th St.
816-471-2570
800-444-2570
Fax: 913-768-0371

Wichita
4311 W. 29th Cir. S.
316-942-6712
800-829-1201
Fax: 316-942-1414

Springfield
2035 West Vista
417-865-7184
800-323-7184
Fax: 417-865-7186



Columbia
5250 Hwy 763 N.
573-449-5204
888-375-7109
Fax: 573-449-7736

Collinsville
1700 St. Louis Rd.
618-398-4377
800-642-2651
Fax: 618-397-7385

St. Louis
1441 N. Warson Rd.
314-423-6550
800-359-1201
Fax: 314-423-7548

Surface Repair

MAPEI® CONCRETE RENEW™ FINE

DESCRIPTION:

Concrete Renew Fine is a one-component, polymer-modified cementitious material for the resurfacing of existing concrete. It allows a variety of finishing options, including broom finishes and decorative trowel finishes, on sidewalks, driveways, steps and anywhere that has exposed concrete. Concrete Renew Fine features a natural light gray color that provides a uniform finish to concrete surfaces.

USES:

- Resurfacing of pool decks, patios, sidewalks, and driveways
- Suitable for commercial and residential vehicle and foot traffic applications
- Textured "skip-trowel" finishes
- Resurfacing of old concrete retaining walls
- Areas where slip resistance is required
- Dressing up worn or spalled concrete to provide a like-new surface



CONCRETE PLANITOP® X

[Product Data Sheet](#)
[MSDS Data Sheet](#)

DESCRIPTION:

Planitop X is a one-component, fiber-reinforced, shrinkage-compensated, fast-setting, polymer-modified, high-build cementitious repair mortar with a corrosion inhibitor. It is suited for all interior/exterior vertical, overhead and horizontal concrete applications, including precast/prestressed, tilt-up, post-tensioned and cast-in-place concrete. Planitop X can be applied in thicknesses of featheredge to 4" (0 to 10 cm) per lift. Planitop X is engineered with MAPEI's Easy Glide Technology™ for ease of application and is light gray to match existing concrete surfaces.

USES:

- Renovation of such cast-in-place, precast, tilt-up and post-tensioned concrete structures as galleries, tunnels, bridges, overpasses, retaining walls, beams, building facades, parking garages, ceilings, and balconies
- Treatment of blemishes and defects in concrete surfaces, such as the filling of honeycombs, voids, cavities, and rigid joints
- Repair of surfaces exposed to high abrasion: canals, industrial floors, curbs, ramps, roads, and sidewalks



[Product Data Sheet](#)
[MSDS Data Sheet](#)

CONCRETE PLANITOP® XS

DESCRIPTION:

Planitop XS is an extended-working-time variation of Planitop XS. Shrinkage compensated, fiber-reinforced and polymer-modified, Planitop XS features Planitop XS's outstanding workability and corrosion inhibitor. Ideal for use in a wide variety of vertical and overhead concrete repairs, Planitop XS can be applied in thicknesses of featheredge to 4" (0 to 10 cm) per lift. Planitop XS is engineered with MAPEI's Easy Glide Technology™ for ease of application and is light gray to match existing concrete surfaces.



[Product Data Sheet](#)
[MSDS Data Sheet](#)

Kansas City Corporate Headquarters, 2440 W. Pennway, Kansas City, Missouri 64141 816-471-2570 800-444-2570 816-421-2946 (FAX)

Olathe
19930 W. 157th St.
816-471-2570
800-444-2570
Fax: 913-768-0371

Wichita
4311 W. 29th Cir. S.
316-942-6712
800-829-1201
Fax: 316-942-1414

Springfield
2035 West Vista
417-865-7184
800-323-7184
Fax: 417-865-7186



Columbia
5250 Hwy 763 N.
573-449-5204
888-375-7109
Fax: 573-449-7736

Collinsville
1700 St. Louis Rd.
618-398-4377
800-642-2651
Fax: 618-397-7385

St. Louis
1441 N. Warson Rd.
314-423-6550
800-359-1201
Fax: 314-423-7548

Surface Repair



SIKATOP® 121 PLUS

DESCRIPTION:

SikaTop 121 PLUS is a two component, polymer-modified, leveling and pore sealing mortar with the additional benefit of FerroGard 901, penetrating corrosion inhibitor. SikaTop 121 PLUS provides a smooth substrate, free of irregularities and bug holes for following protective coatings.

USES:

This product is best suited for a self-leveling/pore sealing mortar prior to protective coatings on horizontal, vertical, and overhead surfaces, interior and exterior. Use on grade, above and below grade, on concrete and mortar substrates; as block filler; minor repairs and gouges.



[Product Data Sheet](#)
[MSDS Sheet](#)



SIKATOP® 122 PLUS

DESCRIPTION:

SikaTop 122 PLUS is a two-component, polymer-modified, portland cement based, fast-setting, trowel grade mortar. It is a high performance repair mortar for horizontal and vertical surfaces and offers the additional benefit of Armatec 2000, a migrating corrosion inhibitor.

USES:

This product is best suited for on grade, above grade, and below grade, on concrete and mortar; on horizontal & vertical surfaces. Another use is for structural repair material for parking structures, industrial plants, walkways, bridges, tunnels, dams, and ramps. Perfect for levelling concrete surfaces and as an overlay system for topping/resurfacing concrete.



[Product Data Sheet](#)
[MSDS Sheet](#)



SIKATOP® 123 PLUS

DESCRIPTION:

SikaTop 123 PLUS is a two-component, polymer-modified, portland cement, fast-setting, non-sag mortar. It is a high performance repair mortar for vertical and overhead surfaces, and offers the additional benefit of FerroGard 901, a penetrating corrosion inhibitor.

USES:

SikaTop 123 PLUS is best suited on grade, above, and below grade, on concrete and mortar; on vertical and overhead surfaces. Use as a structural repair material for parking structures, industrial plants, water/wastewater treatment facilities, roads, walkways, bridges, tunnels, dams, ramps, etc.



[Product Data Sheet](#)
[MSDS Sheet](#)

Kansas City Corporate Headquarters, 2440 W. Pennway, Kansas City, Missouri 64141 816-471-2570 800-444-2570 816-421-2946 (FAX)

Olathe
19930 W. 157th St.
816-471-2570
800-444-2570
Fax: 913-768-0371

Wichita
4311 W. 29th Cir. S.
316-942-6712
800-829-1201
Fax: 316-942-1414

Springfield
2035 West Vista
417-865-7184
800-323-7184
Fax: 417-865-7186



Columbia
5250 Hwy 763 N.
573-449-5204
888-375-7109
Fax: 573-449-7736

Collinsville
1700 St. Louis Rd.
618-398-4377
800-642-2651
Fax: 618-397-7385

St. Louis
1441 N. Warson Rd.
314-423-6550
800-359-1201
Fax: 314-423-7548

Surface Repair

LYONS MANUFACTURING, INC.

PATCHCRETE is a very versatile product with an outstanding bonding characteristic. It is a two component product, a single unit includes a 45 lbs. bag of powder with a gallon of liquid polymer. It can be applied horizontally, vertically or even overhead. Horizontally, it may be applied from featheredge to 2 ½ inch thickness (over ½ inch with aggregate) in one application, may be applied as a topping or underlayment. It can also be mixed to a thicker consistency and used as a trowelable repair material for wall and overhead applications. PATCHCRETE comes in light gray or white and can accept integral color or stains.



Product Data Sheet
MSDS Sheet

PATCHCRETE

PAVECRETE is a unique single component product, specifically designed to rub, smooth and finish vertical concrete. It will feather edge without chipping or flaking and will retain its hardness and toughness. Provides a smooth consistent light gray finish to blend with exterior cured concrete. PAVECRETE comes in a light gray, it is also available in white and sand mix.



Product Data Sheet
MSDS Sheet

PAVECRETE®

CAST-PATCH is a one-component repair material specifically designed to repair pre-cast concrete. CAST-PATCH is fast setting trowel grade mortar that can be shaped by sanding and shaving. CAST-PATCH reaches a Compressive Strength of 6400 psi and is suitable for a wide range of other applications.

Product Data Sheet
MSDS Sheet

CAST-PATCH®

POWER-CRETE is a one component structural repair material. It is rapid setting, with a high early strength and an outstanding bond. POWER-CRETE can be applied from ½ inch to 6 inch with no aggregate needed. It can be used in horizontal repairs interior or exterior, above or below grade. POWER-CRETE utilizes P-100 Primer as its surface bonder.

Product Data Sheet
MSDS Sheet

POWER-CRETE®

Kansas City Corporate Headquarters, 2440 W. Pennway, Kansas City, Missouri 64141 816-471-2570 800-444-2570 816-421-2946 (FAX)

Olathe
19930 W. 157th St.
816-471-2570
800-444-2570
Fax: 913-768-0371

Wichita
4311 W. 29th Cir. S.
316-942-6712
800-829-1201
Fax: 316-942-1414

Springfield
2035 West Vista
417-865-7184
800-323-7184
Fax: 417-865-7186



Columbia
5250 Hwy 763 N.
573-449-5204
888-375-7109
Fax: 573-449-7736

Collinsville
1700 St. Louis Rd.
618-398-4377
800-642-2651
Fax: 618-397-7385

St. Louis
1441 N. Warson Rd.
314-423-6550
800-359-1201
Fax: 314-423-7548