

CONCRETE REPAIR

PRODUCT LIST

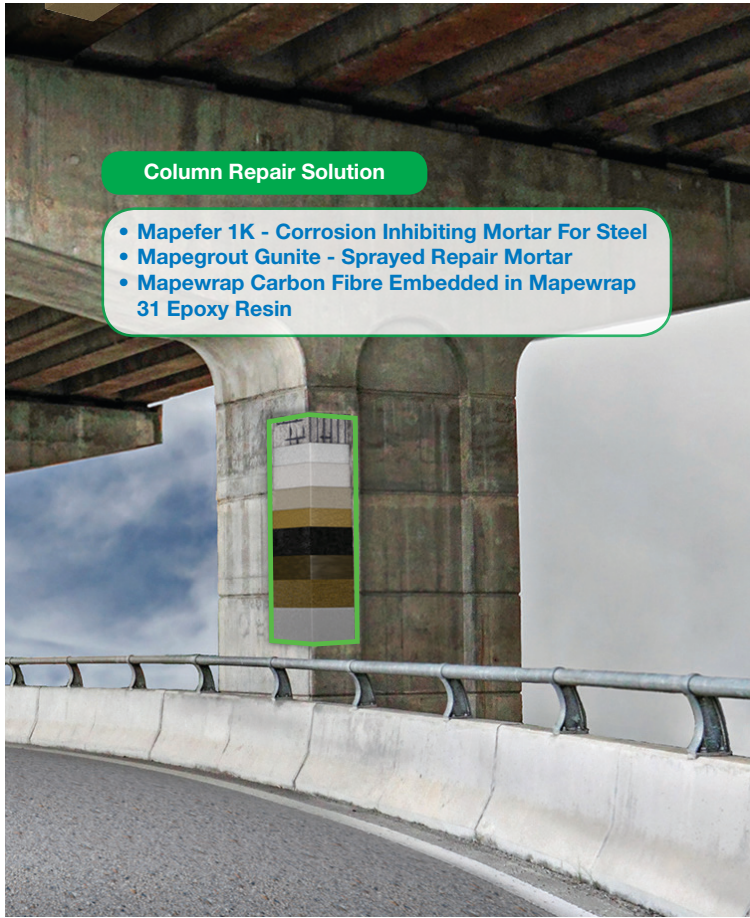


MAPEI REPAIR SOLUTIONS

Detailed drawings showing typical repairs using our range of Concrete Repair Mortars, Corrosion Protection Solutions, Protective Anti Carbonation Coatings and Carbon Fibre strengthening system.

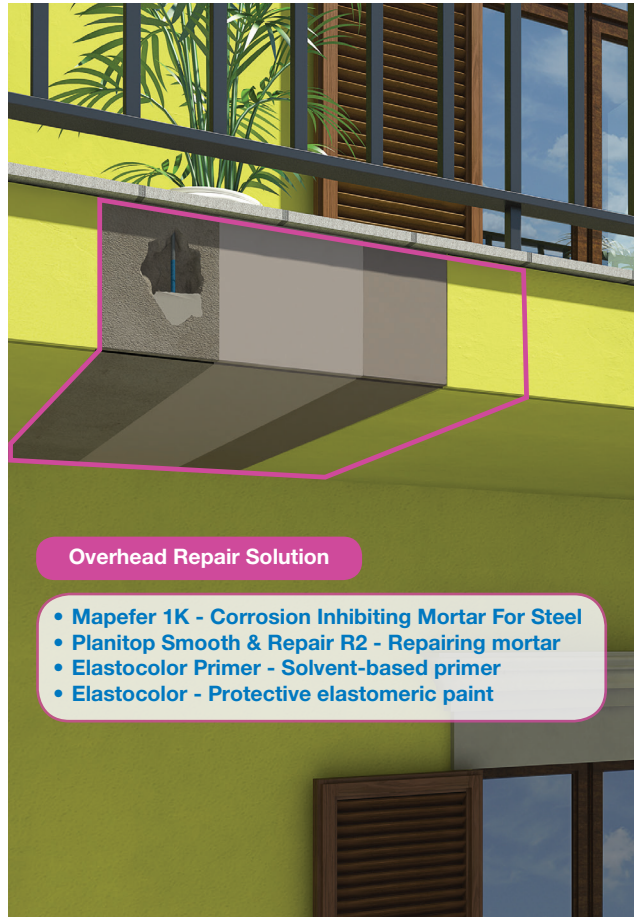
Got a Concrete repair project?

Contact Mapei to discuss your options for the project, and to help compile materials specification.



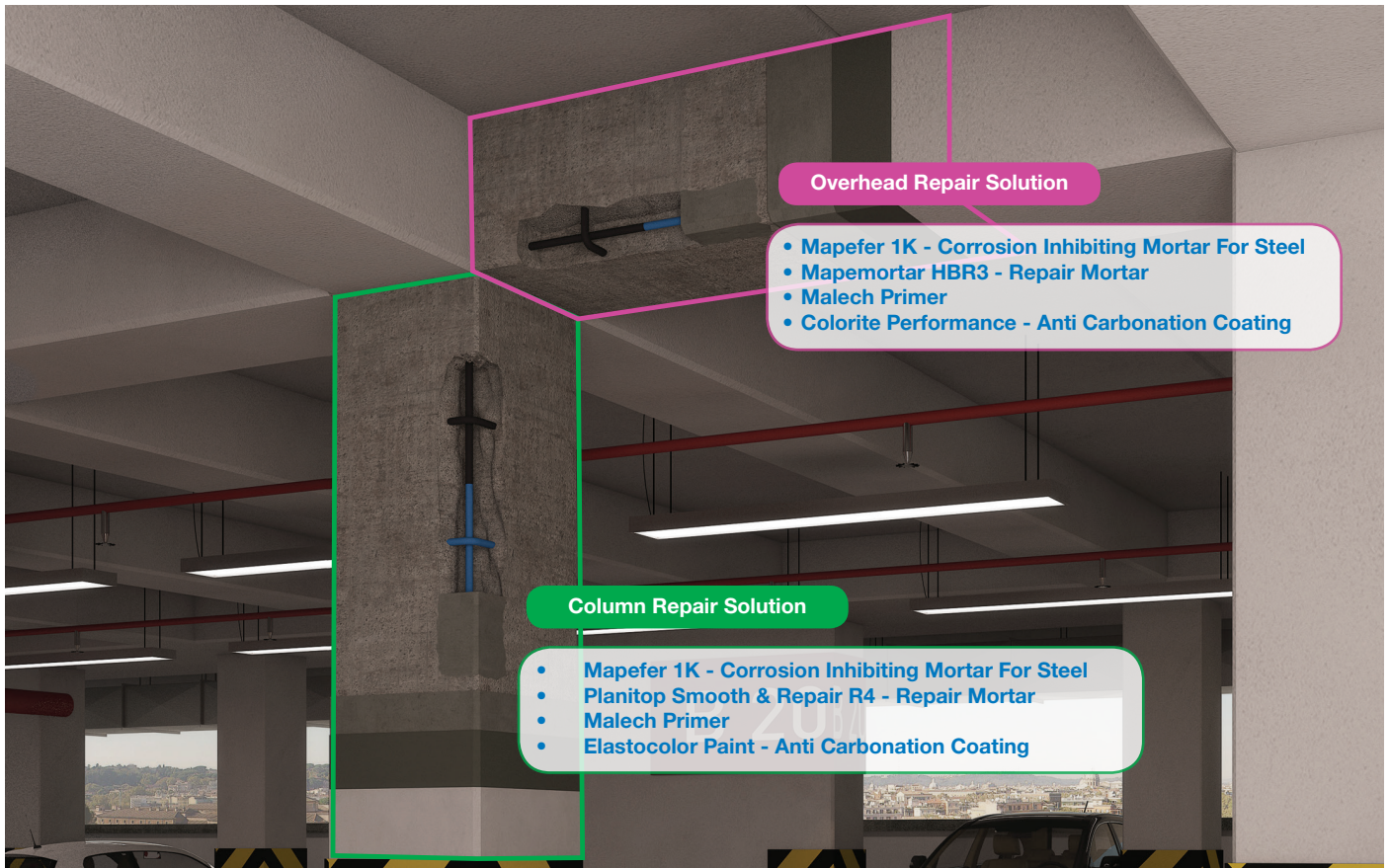
Column Repair Solution

- Mapefer 1K - Corrosion Inhibiting Mortar For Steel
- Mapegrout Gunite - Sprayed Repair Mortar
- Mapewrap Carbon Fibre Embedded in Mapewrap 31 Epoxy Resin



Overhead Repair Solution

- Mapefer 1K - Corrosion Inhibiting Mortar For Steel
- Planitop Smooth & Repair R2 - Repairing mortar
- Elastocolor Primer - Solvent-based primer
- Elastocolor - Protective elastomeric paint



Overhead Repair Solution

- Mapefer 1K - Corrosion Inhibiting Mortar For Steel
- Mapemortar HBR3 - Repair Mortar
- Malech Primer
- Colorite Performance - Anti Carbonation Coating

Column Repair Solution

- Mapefer 1K - Corrosion Inhibiting Mortar For Steel
- Planitop Smooth & Repair R4 - Repair Mortar
- Malech Primer
- Elastocolor Paint - Anti Carbonation Coating

MAPEI STANDARD CONCRETE REPAIR PRODUCTS

Product	Description
Steel Primer	
Mapefer 1K	One-component anti corrosion cementitious coating for steel reinforcement primer
Repair Mortar	
Hand Placed	
Mapemortar HBR3	R3 High Build Repair Mortar
Planitop Smooth & Repair R2	R2 Quick-setting, fibre reinforced, cementitious repairing and smoothing mortar, may be applied in thicknesses from 3 mm to 40 mm in a single layer.
Planitop Smooth & Repair R4	R4 Quick-setting, fibre reinforced, cementitious repairing mortar and smoothing mortar, may be applied in thicknesses from 3 mm to 40 mm in a single layer.
Mapegrout Thixotropic	R4 Fibre-reinforced, shrinkage compensated mortar for repairing concrete.
Fluid Repair Mortar	
Mapegrout Hi Flow	R4 Fibre-reinforced, shrinkage compensated fluid micro concrete.
Mapefil GP	R4 General Purpose shrinkage compensated fluid micro concrete.
Spray Repair Mortar	
Mapegrout Gunite	R4 One-component pre-packed multi-purpose cementitious mortar applied using the dry spray method used for structural repair.
Mapegrout Gunite FSD	R4 One-component, ready-to-use, fibre-reinforced, cementitious mortar, applied using wet or dry application spraying technique with extra fast hardening properties.
Mapegrout Easy Flow	Single-component, fibre reinforced shrinkage compensated mortar, especially formulated for repairs using low pressure wet spray method.
Crack Injection	
Eporip	Two-component epoxy for sealing of cracks. Bonding structural elements such as steel, cement, and concrete.
Epojet	Two-component epoxy resin with a very low viscosity for injecting into micro-cracks.
Deck Repairs	
Mapegrout SV	R4 Quick-setting and hardening, hi-flow mortar for repairing concrete and bedding manhole covers, drains, and urban architectural fittings in place.
Mapegrout SV - Fibre	R4 Quick-setting and hardening, hi-flow mortar for repairing concrete and bedding manhole covers drains, and urban architectural fittings in place. Can be used at low temperature.
Mapegrout SV T	R4 Quick-setting and hardening, trowel applied thixotropic mortar for repairing concrete and bedding manhole covers, drains and urban architectural fitting in place.
Planitop Fast 330	Quick-setting, fibre-reinforced cementitious levelling mortar applied in layers from 3 to 30 mm to even out irregularities.
Fixing New Reinforcement	
Mapefix VE SF	Chemical, styrene-free, vinylester anchor fastener for rebar, starter bars, structural anchoring.

Product	Description
Corrosion Control	
	Sacrificial Anodes
Mapeshield E25	External zinc plates applied directly on the surface of structures for galvanic cathodic protection against the corrosion of steel reinforcement rods.
Mapeshield I	Pure zinc anodes coated with a special conductive paste, for galvanic cathodic protection against corrosion of steel reinforcement in new structures and for structures requiring repair.
Smoothing Coat	
Planitop 100	Quick-setting, one-component fine cementitious mortar for smoothing concrete and render.
Planitop 200	One-component, cementitious mortar for smoothing uneven surfaces. Bonds to tiles and painted surfaces.
Planitop Fast 330	Quick-setting, fibre-reinforced cementitious levelling mortar applied in layers from 3 to 30 mm to even out irregularities.
Planitop Smooth & Repair R2	R2 Quick-setting, fibre reinforced, cementitious smoothing, and repairing mortar may be applied in thickness from 3 mm to 40 mm in a single layer.
Curing Agents	
Mapecure SRA	Curing admixture for cementitious mortar and concrete to reduce hydraulic shrinkage and the formation of micro-cracks.
Mapecure E30	A surface curing compound for cementitious mortar and concrete to reduce hydraulic shrinkage and the formation of micro-cracks.
Protective Coating	
	Anti-Carbonation Coatings
Elastocolor Paint	Elastomeric, crack-bridging, permanently flexible, protective anti-carbonation coating.
Malech	Water-based acrylic bonding promoter for Mapei coatings.
Colorite Performance	Protective acrylic paint with high resistance to UV rays.
	Protective Coating
Mapelastick Guard	Two-component, flexible cementitious coating for protecting concrete. A 2.5 mm thick layer of Mapelastick Guard corresponds to 30 mm of concrete cover.
	Water Repellents
Antipluviol S	Ultra-high-performance, transparent, siloxane resin water-repellent impregnator.
Antipluviol W	Transparent, water based silane and siloxane water-repellent impregnator.
Structural Strengthening	
	Plate
Carboplate	Pultruded carbon fibre plate impregnated with epoxy resin with a protective plastic film on both faces. Available in various widths, strength and modules of elasticity.

Product	Description
	Fabric
MapeWrap C UNI-AX	High-strength, unidirectional carbon fibre fabric.
Mapewarp C BI-AX	High-strength, bi-directional carbon fibre fabric.
MapeWrap C QUADRI-AX	High-strength, quadri-directional carbon fibre fabric.
MapeWrap C Fiocco	Carbon fibre cord.
Maperod C	Pultruded carbon fibre rod impregnated with epoxy resin for structural strengthening of concrete and masonry elements.
	Adhesives
Adesilex PG1	Two-component, rapid-setting thixotropic adhesive for structural bonding and repair. Adhesive used for the application of Carboplate, steel or concrete.
MapeWrap Primer 1	Two-component, epoxy primer for the MAPEWRAP System.
MapeWrap 31	Two-component, epoxy adhesive for impregnating and bonding MAPEWRAP using the "Dry lay up system".
MapeWrap 21	Two-component, super-fluid epoxy resin for impregnating and bonding MAPEWRAP, using the wet lay up system.
Grouting	
Mapefill GP	General purpose, shrinkage compensated grout.
Mapegrout Hi-Flow	Fibre-reinforced, shrinkage compensated grout.
Planigrout 300	High performance three-component fluid epoxy grout for bedding machinery and plant, repairing deteriorated concrete and precision anchorage work.
Planigrout 310	High performance three-component fluid epoxy grout for bedding machinery and plant, repairing deteriorated concrete applied up to 100 mm thick.
Planigrout 350	High performance three-component fluid epoxy grout for bedding machinery and plant, repairing deteriorated concrete applied up to 500 mm thick.

All products should be installed in accordance with prevailing Product Data Sheets.

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