

# CONCRETE REPAIR

PRODUCT LIST

## MAPEI STANDARD CONCRETE REPAIR PRODUCTS

Product	Description
<b>Steel Primer</b>	
<b>Mapefer 1K Zero</b>	One-component cementitious coating with active corrosion inhibitor. CO <sub>2</sub> offset.
<b>Repair Mortar</b>	
	<b>Hand Placed</b>
<b>Mapemortar HBR3</b>	R3 High Build Repair Mortar
<b>Planitop Smooth &amp; Repair Zero</b>	Quick-setting, fibre reinforced, cementitious repairing and smoothing mortar, may be applied in thicknesses from 3 mm to 40 mm in a single layer. CO <sub>2</sub> offset.
<b>Planitop Smooth &amp; Repair R4 Zero</b>	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. CO <sub>2</sub> offset.
<b>Mapegrout Thixotropic Zero</b>	R4 Fibre-reinforced, shrinkage compensated mortar for repairing concrete. CO <sub>2</sub> offset.
	<b>Fluid Repair Mortar</b>
<b>Mapegrout Hi Flow Zero</b>	R4 Fibre-reinforced, shrinkage compensated fluid micro concrete. CO <sub>2</sub> offset.
<b>Mapefill GP</b>	R4 General Purpose shrinkage compensated fluid micro concrete.
	<b>Spray Repair Mortar</b>
<b>Mapegrout Gunite</b>	One-component pre-packed multi-purpose cementitious mortar applied using either the dry or damp spraying technique used for structural repair.
<b>Mapegrout Gunite FSD</b>	R4 One-component, ready-to-use, fibre-reinforced, cementitious mortar, applied using wet or dry application spraying technique with extra fast hardening properties.
<b>Mapegrout Easy Flow Zero</b>	Single-component, fibre reinforced shrinkage compensated mortar, especially formulated for repairs using low pressure wet spray method. CO <sub>2</sub> offset.
	<b>Crack Injection</b>
<b>Eporip</b>	Two-component epoxy for sealing of cracks. Bonding structural elements such as steel, cement, and concrete.
<b>Epojet LV</b>	Two-component epoxy resin with a very low viscosity for injecting into micro-cracks.
	<b>Deck Repairs</b>
<b>Mapegrout SV</b>	R4 Quick-setting and hardening, hi-flow mortar for repairing concrete and bedding manhole covers, drains, and urban architectural fittings in place.
<b>Mapegrout SV - Fibre</b>	R4 Quick-setting and hardening, flowable mortar for repairing concrete and bedding manhole covers drains, and urban architectural fittings in place. Can be used at low temperature.
<b>Mapegrout SV T</b>	R4 Quick-setting and hardening, trowel applied thixotropic mortar for repairing concrete and bedding manhole covers, drains and urban architectural fitting in place.
<b>Planitop Fast 330</b>	Quick-setting, fibre-reinforced cementitious levelling mortar applied in layers from 3 to 30 mm to even out irregularities.
	<b>Fixing New Reinforcement</b>
<b>Mapefix VE SF</b>	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 Zero	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. CO <sub>2</sub> offset.
Curing Agents	
Mapecure SRA	Internal 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 protect against rapid evaporation of water 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 <b>Mapelastick Guard</b> 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
	<b>Fabric</b>
<b>MapeWrap C UNI-AX</b>	High-strength, unidirectional carbon fibre fabric.
<b>Mapewarp C BI-AX</b>	High-strength, bi-directional carbon fibre fabric.
<b>MapeWrap C QUADRI-AX</b>	High-strength, quadri-directional carbon fibre fabric.
<b>MapeWrap C Fiocco</b>	Carbon fibre cord.
<b>Maperod C</b>	Pultruded carbon fibre rod impregnated with epoxy resin for structural strengthening of concrete and masonry elements.
	<b>Adhesives</b>
<b>Adesilex PG1</b>	Two-component, rapid-setting thixotropic adhesive for structural bonding and repair. Adhesive used for the application of Carboplate, steel or concrete.
<b>MapeWrap Primer 1</b>	Two-component, epoxy primer for the MAPEWRAP System.
<b>MapeWrap 31</b>	Two-component, epoxy adhesive for impregnating and bonding MAPEWRAP using the "Dry lay up system".
<b>MapeWrap 21</b>	Two-component, super-fluid epoxy resin for impregnating and bonding MAPEWRAP, using the wet lay up system.
<b>Grouting</b>	
<b>Mapefill GP</b>	General purpose, shrinkage compensated grout.
<b>Mapefill Zero</b>	High strength, high performance shrinkage compensated high-flow grout. CO <sub>2</sub> offset.
<b>Mapefill 110</b>	High strength Precession Grout to base plates and bridge joints etc.
<b>Planigrout 300</b>	High performance three-component fluid epoxy grout for bedding machinery and plant, repairing deteriorated concrete and precision anchorage work.
<b>Planigrout 310</b>	High performance three-component fluid epoxy grout for bedding machinery and plant, repairing deteriorated concrete applied up to 100 mm thick.
<b>Planigrout 350</b>	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.**



For Mapei, "zero impact on climate change" means that CO<sub>2</sub> emissions measured throughout the life cycle of products from the Zero line in 2024 using Life Cycle Assessment (LCA) methodology, verified and certified with EPDs, have been offset through the acquisition of certified carbon credits in support of forestry protection projects. A commitment to the planet, to people and to biodiversity. For more details on how emissions are calculated and on climate mitigation projects financed through certified carbon credits, visit the webpage [zero.mapei.com](https://zero.mapei.com)

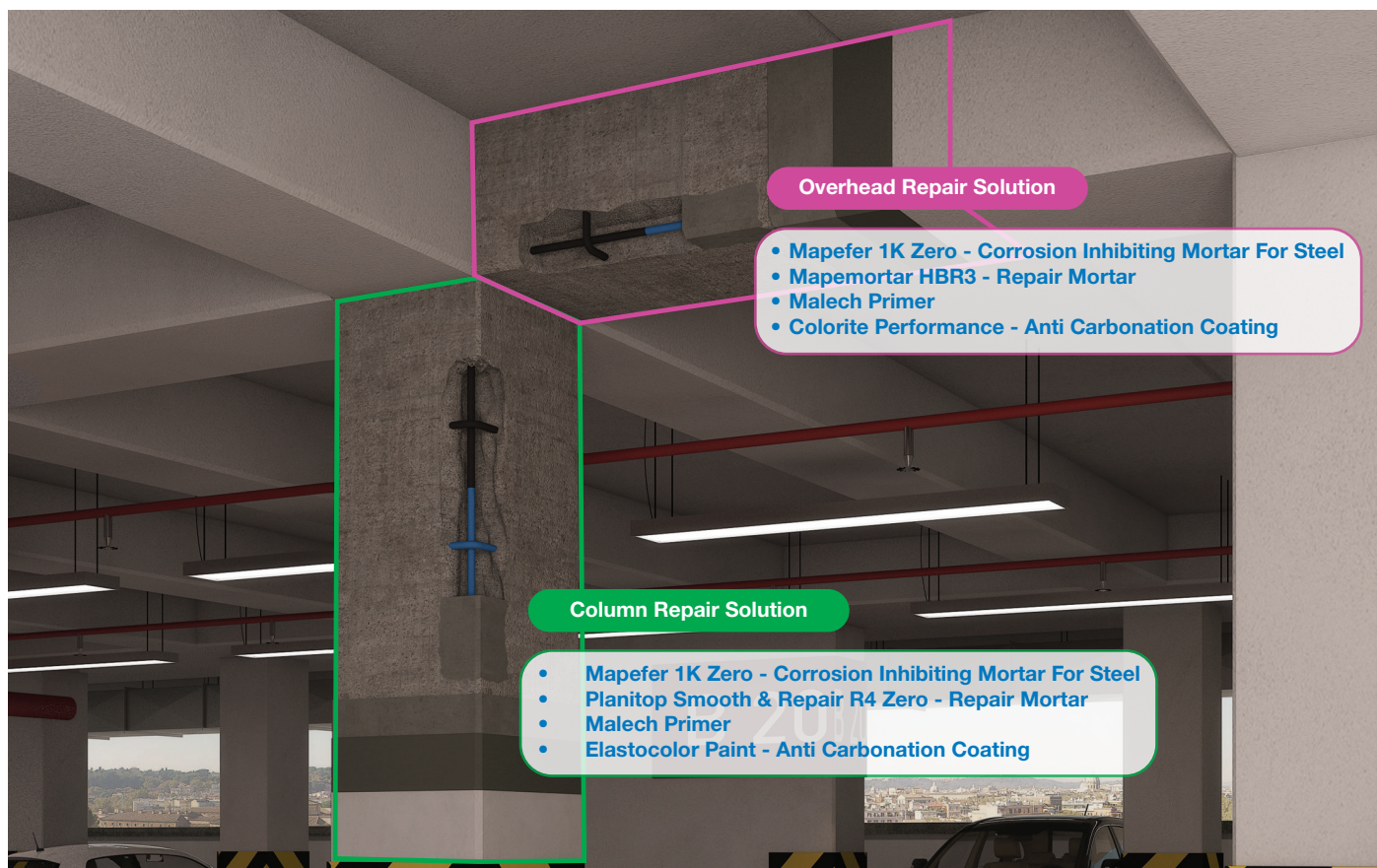
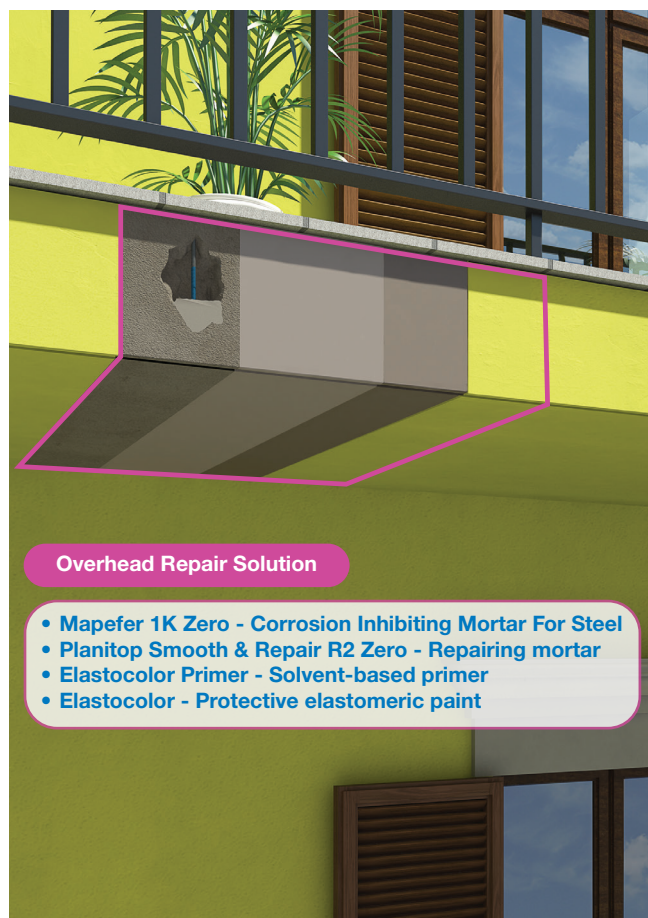
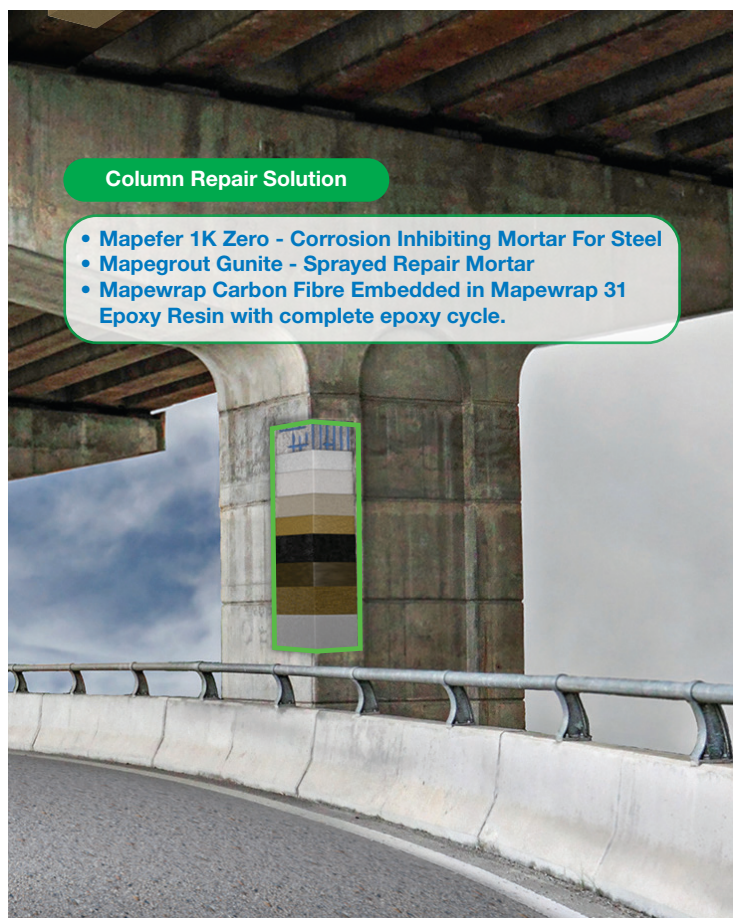


## MAPEI REPAIR SOLUTIONS

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.**



**YOUR LOCAL MAPEI UK DISTRIBUTOR IS:-**

MK 622730 (UK) 2/24

MAPEI WORLD LONDON CITY  
6 Great Sutton Street  
Clerkenwell  
London  
EC1V 0BX  
020 3302 9610  
clerkenwell@mapei.co.uk

MAPEI UK LTD  
Mapei House  
Steel Park Road  
Halesowen  
West Midlands. B62 8HD  
0121 508 6970  
info@mapei.co.uk



0121 508 6970 | mapei.co.uk

