MAPEFER 1K

One-component corrosion-inhibiting cement mortar for the protection of reinforcing rods

- Corrosion – inhibiting protection of concrete reinforcing rods.
- Adhesion improver for concrete repair mortars.
- Meets the requirements defined by EN 1504-9 and EN 1504-7.

PLANITOP 110

Single component normal setting cementitious mortar for smoothing concrete surfaces

- Protection, smoothing and levelling of concrete surface imperfections up to 2 mm in a single application.
- Filling of blow holes and surfaces imperfections in precast units.
- Minor honeycombs up to a maximum of 3 mm depth.
- Smoothing irregular surfaces of cement based renders that have good mechanical strength.

In compliance to the principles of EN 1504-3: R2
PLANITOP 400 ME

Shrinkage controlled thixotropic mortar for levelling and restoration of concrete by applying a single layer of mortar at a variable thickness between 2 and 30 mm

- Deep levelling and restoration of vertical and horizontal concrete surfaces.
- Repairs to precast concrete elements damaged during installation and transport.
- Repairs to superficial defects present in concrete castings such as honeycombs, holes, cold joints, etc.
- Repairs to damaged corners, concrete beams, pillars and concrete panels.

MAPEGROUT THIXOTROPIC

Shrinkage compensated fibre-reinforced mortar for concrete repair

- Repair of deteriorated concrete structures on vertical and horizontal surfaces.
- Repair of surfaces subjected to heavy abrasion (canals, industrial floors, ramps, etc.)
- Repairing viaducts for highways, roads and railways.
- Filling of rigid joints.
- Smoothing of diaphragm walls and tunnels.
MAPEGROUT T60 ME

Sulphate-resistant shrinkage-compensated fibre-reinforced thixotropic mortar for the repair of concrete

- Repairs to both new and old concrete structures or reinforced concrete elements, subject to aggressive atmospheric conditions including chloride and sulphate attack.
- Reinstatement of cover to reinforcing steel and re-establishing structural integrity.
- Water retaining and excluding structures, tunnels and canal linings.
- Repairs to industrial facilities including oil and gas, marine and other structures operating under extreme working environments.

MAPEGROUT T80

Single component sulphate and chloride resistant, fibre-reinforced thixotropic mortar for the repair of concrete

- Repairs to both new and old concrete structures or reinforced concrete elements, subject to aggressive atmospheric conditions including chloride and sulphate attack.
- Repairs to floors that require resistance to oils, lubricants and which are subject to heavy abrasion such as those typically found in industrial environments.
- Repair to precast structures.
- Filling of rigid joints (e.g. between base and column, cracks in floors, joints between walls, etc.).
MAPEGROUT ME05

High performance, shrinkage compensated high-flow micro-concrete and thick section grout

For pile top treatment and re-profiling, column jacketing, concrete structural repair and where particular thickness and void configuration requires the use of high-flow micro concrete or grout, for gaps up to 220 mm.

Structural reinstatement of new and old reinforced concrete elements such as beams and columns.

Particularly suitable for reinstatement of honeycombed concrete and/or areas of congested reinforcement.

Grouting of precast elements.

MAPEGROUT ME06

High strength, shrinkage compensated, super-flow micro-concrete

For structural repairs where particular thickness and the state of deterioration require. The use of high flow ranging from 30 mm to 250 mm.

Reinstatement of floor beams and slabs after scarification of deteriorated areas.

Grouting of machine baseplates, bridge bearings.

Repair and re-profiling of pile tops.
## Structural strengthening products for beams, columns, slabs, culverts & bridges

### CARBOPLATE
Pultruded carbon fibre plates pre-impregnated in epoxy resin, protected by a double film of plastic.

### ADESILEX PG2
Thixotropic epoxy adhesive with extended workability. This product is a two-component epoxy resin based product with special hardeners, selected fine aggregates and special additives. This product is recommended for structural strengthening including bonding steel plates to concrete, rigid structural bonding of precast concrete elements and sealing large cracks.

### MAPEWRAP C UNI-AX
High strength uni-directional carbon fibre fabric with high and very high modules of elasticity. Available in bi-directional (MAPEWRAP C BI-AX) and quadri-directional (MAPEWRAP QUADRI-AX). Available in glass (MAPEWRAP C) and basalt (MAPEWRAP B) fibre.

### MAPEWRAP 31
Medium viscosity epoxy resin for impregnation of MAPEWRAP with “dry system”. This product is a two component solvent-free epoxy resin, especially formulated for the impregnation, during application, using the dry system of MAPEWRAP fabrics.

### MAPEWRAP PRIMER 1
Epoxy primer specific for the MAPEWRAP SYSTEM. This product is a two-component super-fluid solvent-free product based on epoxy resins, specific for the preparation of concrete surfaces that need to be repaired or reinforced by bonding with MAPEWRAP fabrics and CARBOPLATE carbon plates.

### MAPEWRAP C FIOCCO
Carbon fibre cord for impregnation with MAPEWRAP 21 (two-component super-fluid epoxy resin). This product is a complete range of cords in unidirectional carbon fibre with a high modulus of elasticity. It is used for creating anchorage points for repairs, reinforcement and static upgrading of structures in reinforced cement, masonry and tuff using MAPEWRAP C fabrics and CARBOPLATE. Available in glass (MAPEWRAP C) and basalt (MAPEWRAP B) fibre.

### Galvanic Cathodic Protection

#### MAPESHIELD I
Pure zinc anodes coated with a special conductive paste, for galvanic cathodic protection against the corrosion of steel reinforcement in new structures and in structures requiring repair.

#### MAPESHIELD E25
Self-adhesive zinc plates applied directly on the surface of structures for galvanic cathodic protection against the corrosion of steel reinforcement rods. This product is recommended for protecting reinforcement rods against corrosion in works of art which do not require repair work and to reduce or block the oxidation in works of art requiring repair.

#### MAPESHIELD S
Zinc plate with adhesive backing for galvanic cathodic protection against the corrosion of steel structures exposed to atmospheric conditions. This product is particularly recommended for protecting flat, round and complex shaped metallic structures which have a surface to which zinc plates may be directly applied.
REPAIR PRODUCTS

Fine smoothing of hydraulic works, with concrete surfaces exposed to weak chemical aggression due to the presence of industrial areas or saline environments, and to abrasion and erosion

MAPEFINISH
Two-component cementitious mortar for finishing concrete surfaces. The product is used to level small imperfections of poured concrete and to smooth surfaces after repairs.

PLANITOP HDM
Two component, high-strength, cement-based mortar with fine-grained selected aggregates, special admixtures and synthetic polymers in water dispersion, to be applied on surfaces in stone, brickwork and tuff at a thickness up to 6 mm per coat.

MAPEELASTIC AND MAPEELASTIC SMART
Elastic two-component mortar based on cementitious binder, fine-grained selected aggregates, special additives and synthetic polymers in water dispersion. To be applied with a trowel or a spraying machine, on concrete surfaces, on controlled-shrinkage mortars, used for repairing and also on cracked renders, in a thickness of 2 mm. These products are watertight and resistant to aggressive agents in the atmosphere. They prevent carbonation, chlorides (calcium and sodium) and sulphates.

 Protective elastic smoothing compound for beams, pillars, viaduct decks, precast structures and concrete construction already cracked or subject to a risk of cracking under dynamic loads

MAPEGROUT SV ME
Fast-setting and hardening, compensated-shrinkage high-flow mortar for repairing concrete and fixing inspection shafts, manholes and highway dressing materials.

MAPEGROUT HI-FLOW
Fibre-reinforced, controlled-shrinkage mortar for repairing concrete. This product is used for the repair of very damaged concrete structures where the use of fluid mortars is recommended.

MAPEFILL GP ME
General purpose non-shrink cementitious grout. Recommended for grouting voids in structural elements such as; honeycombs in concrete, filling gaps in precast elements, and grouting base plates and bridge bearings.

MAPEFILL SP ME
Premium super flow non-shrink cementitious grout. This product is used for precision anchoring of machinery, steel and concrete structures, e.g. anchorage of bolts and other metallic fixtures, underpinning works, bridge bearing and column bases.

High Flow Grouts