GREAT THINGS COME IN SMALL PACKAGES

ELASTIC SEALANTS AND ADHESIVES,
POLYURETHANE FOAMS
AND CHEMICAL ANCHORS

SEALING

BONDING

FIXING

FILLING

MAPEI®
ADHESIVES • SEALANTS • CHEMICAL PRODUCTS FOR BUILDING

Sealants

ELASTIC SEALS

Adhesives

JOINED FOREVER

Fixing

DEFINITELY ANCHORED

Filling

FOR AN IMPENETRABLE BARRIER

Adesilex PVC

DESCRIPTION

Adhesive for bonding plastic pipes not subject to internal pressure

Bonding PVC pipes for drainage systems guttering and plastic pipes in general with no internal hydraulic pressure.

APPLICATION

The surfaces to be bonded must be dry and clean.
Lightly sand the surfaces if necessary.
Extrude the adhesive from its tube onto the surfaces to be bonded (using a slight rotational movement).
The surfaces will bond immediately but we recommend waiting a few hours prior to use.

BENEFITS

- Service temperature up to +60°C with spikes up to +90°C
- Does not drip, including in small diameter pipes

CHARACTERISTICS

- **Storage**: 18 months at +5°C/+25°C

COLOUR

transparent

CERTIFICATIONS

CE
EN 14680

PACKAGING

Tubes: 50 x 125 g
Please refer to Technical Data Sheet before use.

Adesilex PVC HP

DESCRIPTION

Adhesive for welding high and low-pressure pipes

Bonding high pressure and low-pressure PVC-PMMA and ABS pipes, sleeves, syphons and fittings.

APPLICATION

The surfaces to be bonded must be dry and clean.
Lightly sand the surfaces if necessary.
The surfaces will bond immediately but we recommend waiting a few hours prior to use.

BENEFITS

- Easy to apply
- **Resistant to pressure up to 16 bar**
- Service temperature from -15°C to +95°C
- Does not drip, including in small diameter pipes

CHARACTERISTICS

- **Resistance to heat**: +95°C
- **Resistance to freezing**: -15°C
- **Storage**: 18 months at +5°C/+25°C

COLOUR

copper

CERTIFICATIONS

CE EN 14680

CE EN 14814

PACKAGING

Tubes: 50 x 125 g
Please refer to Technical Data Sheet before use.

Mapefix EP

DESCRIPTION

Pure epoxy chemical anchor for structural loads

Two-component pure epoxy resin. Certified for chemical anchors for threaded bar and rebar in rough or smooth (core drilled) holes in all types of building material. Also certified for supplementary reinforcing bars in reinforced concrete and for anchoring elements subjected to seismic loads (classes C1 and C2). Ideal for all types of structural strengthening work, construction joints, for use in aggressive environments, damp areas and areas below the water line and for static, dynamic or seismic loads.

APPLICATION

Calculate the size of the anchor according to the directions on the Technical Data Sheet, drill the substrate, remove all traces of dust and any loose portions, screw the static mixer to the cartridge, discard the first 3 shots of resin, then fill the hole to 2/3 its depth without entraining air. Insert the metal bar in the hole while rotating it until any excess resin is forced out.

BENEFITS

- **For anchors in tension and compressed zones, strengthening rods and for seismic loads**
- **For concrete with or without cracks**
- **For all building materials for use in damp or wet holes or in holes below water**
- Long workability time
- Very high mechanical strength
- Special zero-waste cartridges
- For threaded bars from M8 to M30 and for reinforcing steel from Ø8 to Ø40
- European certifications

CHARACTERISTICS

- **Application temperature**: +5°C/+40°C
- **Storage**: 24 months at +5°C/+25°C

COLOUR

grey

CERTIFICATIONS

ETA option 1 for anchors in tension zones (M12-M30, Ø12-Ø32) and compressed zones (M8-M30, Ø8-Ø32); *ETA* seismic performance C1 and C2 for anchors in seismic zones; *ETA REBAR* option for supplementary reinforcing bars in reinforced concrete (Ø8-Ø40); ETA for anchors in core-drilled holes (M10-M24, Ø10-Ø25); fire resistant for anchors in fire risk areas

Fast Track Ready

Coredrill: core drilled hole — M10 ÷ M24, Ø10 ÷ Ø25

OP?: non cracked concrete — M8 ÷ M30, Ø8 ÷ Ø32

OP?: cracked and non cracked concrete — M12 ÷ M30, Ø12 ÷ Ø32

C1: Seismic performance — M12 ÷ M30, Ø12 ÷ Ø32

C2: Seismic performance — M12 ÷ M16

Rebar: post installed rebar — Ø8 ÷ Ø40

Feuerwiderstandsklasse F 120

PACKAGING

Cartridges: 12 x 385 ml
Cartridges: 12 x 585 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

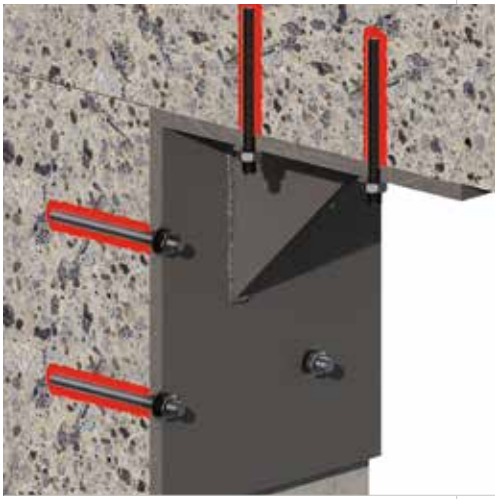
Mapei Gun 585 2K
Mapei Gun 585 Electric M

Mapefix EP Seismic

DESCRIPTION

Pure epoxy chemical anchor for structural loads

Two-component pure epoxy resin. Certified for chemical anchors for threaded bar and rebar in rough or smooth (core drilled) holes in all types of building material. Also certified for supplementary reinforcing bars in reinforced concrete (rebar) and for anchoring elements subjected to seismic loads (classes C1 and C2). Ideal for all types of structural strengthening work, construction joints, for use in aggressive environments, damp areas and areas below the water line and for static, dynamic or seismic loads.



APPLICATION

Calculate the size of the anchor according to the directions on the Technical Data Sheet, drill the substrate, remove all traces of dust and any loose portions, screw the static mixer to the cartridge, discard the first 3 shots of resin, then fill the hole to 2/3 its depth without entraining air. Insert the metal bar in the hole while rotating it until any excess resin is forced out.

BENEFITS

- **For anchors in tension and compressed zones, for rebar and for seismic loads**
- **For concrete with or without cracks**
- **For all building materials for use in damp or wet holes or in holes below water**
- Long workability time
- Very high mechanical strength
- Special zero-waste cartridges
- For bars from M8 to M30 and for reinforcing steel from Ø8 to Ø32

CHARACTERISTICS

- **Application temperature**: +5°C/+40°C
- **Storage**: 24 months at +5°C/+25°C

COLOUR

grey

CERTIFICATIONS

ETA option 1 for anchors in tension zones (M12-M24) and compressed zones (M8-M30); *ETA* seismic performance C1 and C2 for anchors in seismic zones; *ETA REBAR option* for supplementary reinforcing bars in reinforced concrete (Ø8-Ø32)

M8 ÷ M30 (OP7: non cracked concrete)

M12 ÷ M24 (OP1: cracked and non cracked concrete)

M16 ÷ M24 (C1: Seismic performance)

Ø8 ÷ Ø32 (Rebar: post installed rebar)

M16 ÷ M24 (C2: Seismic performance)

PACKAGING

Cartridges: 12 x 470 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 585 2K
Mapei Gun 585 Electric M

Mapefix PE SF

DESCRIPTION

Polyester chemical anchor for heavy loads

Two-component, styrene-free polyester resin, certified as a chemical anchor for metal bars in rough holes in various building materials, such as concrete, stone and solid, semi-solid, perforated and mixed masonry. Ideal for anchoring aerials, signs, window and door fittings, plant equipment and sanitary fittings.

APPLICATION

Calculate the size of the anchor according to the directions on the Technical Data Sheet, drill the substrate, remove all traces of dust and any loose portions, screw the static mixer to the cartridge, discard the first 3 shots of resin, then fill the hole to 2/3 its depth without entraining air. Insert the metal bar in the hole while rotating it until any excess resin is forced out. Because the product reacts very quickly, carry out anchoring work without interruptions to avoid waste.

BENEFITS

- **For concrete and masonry**
- **Suitable for use in damp holes or at temperatures down to -5°C**
- Ultra-rapid hardening
- Also available for silicone guns
- Special zero-waste cartridges
- For bars from M8 to M24
- European certifications

CHARACTERISTICS

- **Application temperature**: -5°C/+35°C
- **Storage**: 12 months (300ml) 18 months (420 ml) at +5°C/+25°C

COLOUR

grey

CERTIFICATIONS

ETA option 7 for anchors in compressed zones (M8 ÷ M24); ETAG 029 for anchors in masonries (M8 / M16)

M8 ÷ M24

M8 ÷ M16

PACKAGING

Cartridges: 12 x 300 ml
Cartridges: 12 x 420 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS 300 ml

Mapei Gun 310
Mapei Gun 310 PRO

WORKING TOOLS 420 ml

Mapei Gun 420 2K
Mapei Gun 420 Electric M

Mapefix PE Wall

DESCRIPTION

Polyester chemical anchor for masonry

Two-component, styrene-free polyester resin in a single cartridge with static mixer, certified as a chemical anchor for metal bars in rough holes in various building materials, such as concrete, stone and solid, semi-solid, perforated and mixed masonry. Ideal for anchoring aerials, signs, window and door fittings, plant equipment and sanitary fittings.

APPLICATION

Calculate the size of the anchor according to the directions on the Technical Data Sheet, drill the substrate, remove all traces of dust and any loose portions, screw the static mixer to the cartridge, discard the first 3 shots of resin, then fill the hole to 2/3 its depth without entraining air. Insert the metal bar in the hole while rotating it until any excess resin is forced out. Because the product reacts very quickly, carry out anchoring work without interruptions to avoid waste.

PACKAGING

Cartridges: 12 x 400 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS 400 ml

Mapei Gun 420 2K
Mapei Gun 420 Electric M

BENEFITS

- **For all types of masonry**
- Suitable for use in holes at temperatures down to 0°C
- Ultra-rapid hardening
- Special zero-waste cartridges
- For bars from M8 to M12

CHARACTERISTICS

- **Application temperature**: 0°C/+35°C
- **Storage**: 18 months (400 ml) at +5°C/+25°C

COLOUR

grey

CERTIFICATIONS

ETAG 029 for anchors in masonries (M8 ÷ M12)

M8 ÷ M12

Mapefix Polybond

DESCRIPTION

Polyester chemical anchor for concrete

Two-component polyester resin in a single cartridge with static mixer, specifically formulated for anchoring threaded bars made from steel, galvanized steel and stainless steel on concrete substrates; also recommended for anchoring components in hollow brick substrates and masonry.

APPLICATION

Calculate the size of the anchor according to the directions on the Technical Data Sheet, drill the substrate, remove all traces of dust and any loose portions, screw the static mixer to the cartridge, discard the first 3 shots of resin, then fill the hole to 2/3 its depth without entraining air. Insert the metal bar in the hole while rotating it until any excess resin is forced out. Because the product reacts very quickly, carry out anchoring work without interruptions to avoid waste.

BENEFITS

- **For concrete and masonry**
- Suitable for use in damp holes and at temperatures down to 0°C
- Ultra-rapid hardening
- Also available for silicone guns
- Special zero-waste cartridges
- For bars from M8 to M24
- European certifications

CHARACTERISTICS

- **Application temperature**: 0 to +40°C
- **Storage**: 12 months (300 ml), 18 months (420 ml) at +5°C/+25°C

COLOUR

grey

CERTIFICATIONS

ETA option 7 for anchors in compressed zones (M8 ÷ M24)

M8 ÷ M24

PACKAGING

Cartridges: 12 x 300 ml
Cartridges: 12 x 420 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS 300 ml

Mapei Gun 310
Mapei Gun 310 PRO

WORKING TOOLS 420 ml

Mapei Gun 420 2K
Mapei Gun 420 Electric M

Mapefix UM-H

DESCRIPTION

High-performance hybrid resin for structural loads

Two-component, solvent-free urethane methacrylate hybrid resin in a single cartridge with static mixer, certified for structural strengthening on both cracked and non-cracked concrete, for supplementary reinforcing bars in reinforced concrete and for anchoring elements subjected to seismic loads (classes C1 and C2). Also suitable for damp or wet substrates. Specifically formulated for a high thermal resistance (-40°C to +160°C) and high tightening and anchoring torque. Ideal for embedding of acoustic barriers and crash barriers.

APPLICATION

Calculate the size of the anchor according to the directions on the Technical Data Sheet, drill the substrate, remove all traces of dust and any loose portions, screw the static mixer to the cartridge, discard the first 3 shots of resin, then fill the hole to 2/3 its depth without entraining air. Insert the metal bar in the hole while rotating it until any excess resin is forced out.

BENEFITS

- **High bonding stress**
- **High thermal resistance**
- Suitable for all building materials, including damp or wet substrates
- For threaded bars from M8 to M30, for reinforcing bar from Ø8 to Ø32

CHARACTERISTICS

- **Application temperature**: 0 to +40°C
- **In-service temperature**: -40°C to +160°C
- **Storage**: 18 months at +5°C/+25°C

COLOUR

grey

CERTIFICATIONS

ETA option 1 for anchors in tension zones and compressed zones (M8-M30, Ø8-Ø32); ETA seismic performance C1 and C2 for anchors in seismic zones; ETA REBAR option for supplementary reinforcing bars in reinforced concrete (Ø8-Ø32).

C2: Seismic performance — M12 ÷ M24

Rebar: post installed rebar — Ø8 ÷ Ø32, M6 ÷ M20 IG

C1: Seismic performance — M8 ÷ M30, Ø8 ÷ Ø32

QP1: cracked and non cracked concrete — M8 ÷ M30, Ø8 ÷ Ø32

Fast Track Ready

PACKAGING

Cartridges: 12 x 420 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS 420 ml

Mapei Gun 420 2K
Mapei Gun 420 Electric M

Mapefix VE SF

DESCRIPTION

Chemical vinyl ester anchor for structural loads

Two-component, solvent-free pure vinylester resin, certified as a chemical anchor for threaded metal bars or rebar in rough holes in all building materials. Also certified for supplementary reinforcing bars in reinforced concrete and for anchoring elements subjected to seismic loads (class C1). Ideal for all types of structural strengthening work, construction joints, for use in aggressive environments, damp areas and areas below the water line and for static, dynamic or seismic loads.

APPLICATION

Calculate the size of the anchor according to the directions on the Technical Data Sheet, drill the substrate, remove all traces of dust and any loose portions, screw the static mixer to the cartridge, discard the first 3 shots of resin, then fill the hole to 2/3 its depth without entraining air. Insert the metal bar in the hole while rotating it until any excess resin is forced out.

BENEFITS

- **For anchors in tension and compressed zones, construction bars in concrete, seismic loads**
- **For concrete with or without cracks**
- **For all building materials, including damp, wet or flooded ones down to -10°C**
- Ultra-rapid hardening
- Very high mechanical strength
- Special zero-waste cartridges
- For bars from M8 to M30 and reinforcing bars from Ø8 to Ø32

CHARACTERISTICS

- **Application temperature**: -10°C/+35°C
- **Storage**: 12 months (300ml), 18 months (420ml) at +5°C/+25°C

COLOUR

grey

CERTIFICATIONS

ETA option 1 for anchors in tension zones and compressed zones (M8-M30, Ø8-Ø32); *ETA* seismic performance C1 for anchors in seismic zones; *ETA REBAR option* for supplementary reinforcing bars in reinforced concrete (Ø8-Ø32; M12-M24ZA); fire resistant for anchors in fire risk areas

OPT: non cracked concrete — M8 ÷ M30, Ø8 ÷ Ø32

OPT: cracked and non cracked concrete — M12 ÷ M30, Ø12 ÷ Ø32

C1: Seismic performance — M8 ÷ M30, Ø8 ÷ Ø32

Rebar: post installed rebar — M12 ÷ M24ZA, Ø8 ÷ Ø32

Fast Track Ready

Feuerwiderstandsklasse F 120

PACKAGING

Cartridges: 12 x 300 ml
Cartridges: 12 x 420 ml
Kit Combibox: 12 x 300 ml and 12 x 420 ml

WORKING TOOLS 300 ml

Mapei Gun 310
Mapei Gun 310 PRO

WORKING TOOLS 420 ml

Mapei Gun 420 2K
Mapei Gun 420 Electric M

Mapefix Vinybond

DESCRIPTION

Vinyl ester chemical anchor for structural loads

Two-component, solvent-free vinyl ester resin in a single cartridge with static mixer, certified for structural strengthening and supplementary reinforcing bars in reinforced concrete. Ideal for anchoring steel bars, rebar, wood and all types of masonry with rough holes. Can be used on damp or wet substrates.

APPLICATION

Calculate the size of the anchor according to the directions on the Technical Data Sheet, drill the substrate, remove all traces of dust and any loose portions, screw the static mixer to the cartridge, discard the first 3 shots of resin, then fill the hole to 2/3 its depth without entraining air. Insert the metal bar in the hole while rotating it until any excess resin is forced out.

BENEFITS

- For concrete and masonry
- Suitable for use in damp, wet and flooded holes at temperatures down to -10°C
- Ultra-rapid hardening
- Also available for silicone guns
- Special zero-waste cartridges
- For bars from M8 to M30, steel bars from Ø8 to Ø32
- European certifications

CHARACTERISTICS

- **Application temperature**: 0 to +40°C

COLOUR

grey

CERTIFICATIONS

ETA option 1 for anchors in tension zones and compressed zones (M8-M30, Ø8-Ø32); ETA REBAR option for supplementary reinforcing bars in reinforced concrete (Ø8-Ø32) M12-M24ZA).

Rebar: post installed rebar — Ø8-Ø32 M12-M24 ZA

OP7: non cracked concrete — M8-M30 Ø8-Ø32

OP1: cracked and non cracked concrete — M8-M30 Ø8-Ø32

PACKAGING

Cartridges: 12 x 300 ml
Cartridges: 12 x 420 ml

WORKING TOOLS 300 ml

Mapei Gun 310
Mapei Gun 310 PRO

WORKING TOOLS 420 ml

Mapei Gun 420 2K
Mapei Gun 420 Electric M

Mapeflex AC3

DESCRIPTION

Paintable acrylic sealant

Sealing cracks and slits in building work on different materials such as render, bricks, cement, stones and gypsum plasterboard, wood and concrete panels.

APPLICATION

Remove all loose parts from the surfaces to be sealed. For fillet joints, place masking tape along the edges of the joint, extrude the sealant, smooth over the sealant and immediately remove the masking tape. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio. For high stresses, impregnate the edges of the joint with a primer made from **Mapeflex AC3** dissolved in water. Do not apply the product if it is about to rain, it is not suitable for wet joints.

PACKAGING

Cartridges: 12 x 310 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

BENEFITS

- **Paintable**
- Easily workable
- Water-based and solvent-free

CHARACTERISTICS

- **Consumption**: 3.1 linear metres per 310 ml cartridge (10x10 mm section)
- **Skin formation time**: 10 minutes (+23°C, 50% RH)
- **Movement in service**: 7.5%
- **Shore A hardness**: 35
- **Storage**: 24 months at +5°C /+25°C

COLOURS

white grey

CERTIFICATIONS

CE EN 15651

GEV-EMICODE EC 1 PLUS very low emission

Mapeflex AC4

DESCRIPTION

Paintable acrylic sealant

Sealing fillets between absorbent materials such as plasterboard, render, wood and bricks; ideal for sealing joints, cracks and slits subject to small movements and for sealing joints for thermal insulation.
Paintable with elastomeric Mapei paints 20 minutes after application.

APPLICATION

Remove all loose parts from the surfaces to be sealed. For fillet joints, place masking tape along the edges of the joint, extrude the sealant, smooth over the sealant and immediately remove the masking tape. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio. For high stresses, impregnate the edges of the joint with a primer made from **Mapeflex AC4** diluted with water. Do not apply the product if it is about to rain, it is not suitable for wet joints.

BENEFITS

- **Already paintable after 20 minutes**
- Easily workable
- Water-based, no solvents
- Compatible with damp substrates
- **Good elasticity**

CHARACTERISTICS

- **Consumption**: 3.1 linear metres per 310 ml cartridge; 5.5 linear metres per 550 ml soft-cartridges (10x10 mm section)
- **Skin formation time**: 10 minutes (+23°C, 50% RH)
- **Movement in service**: 12.5%
- **Modulus of elasticity**: 0.20 N/mm² (at 50% elongation)
- **Shore A hardness**: 10
- **Storage**: 24 months at +5°C/25°C

COLOURS

white

grey

CERTIFICATIONS

CE EN 15651

GEV-EMICODE EC 1 PLUS very low emission

PACKAGING

Cartridges: 12 x 310 ml
Soft-cartridges: 20 x 550 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS 310 ml

Mapei Gun 310 PRO

WORKING TOOLS 550 ml

Mapei Gun 600 PRO
Mapei Gun 600 PRO Electric

Mapeflex AC-FR 2

DESCRIPTION

Acrylic paintable sealant for fire-break joints, certified EN 13501-1 and EN 13501-2

Sealing internal and external expansion joints subject to small movements in civil and industrial buildings subject to the risk of fire, such as fire doors, compartmentation and deposits of flammable substances, boiler rooms, electrical substations, galleries and public places.

APPLICATION

Remove all loose parts from the surfaces to be sealed. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio. For high stresses, impregnate the edges of the joint with a primer made from **Mapeflex AC-FR 2** diluted with water. Do not apply the product if it is about to rain, it is not suitable for wet joints.

BENEFITS

- **Resistant to heat, flames and smoke (resistance class EI) for up to 240 minutes**
- No surface protection required
- Water, air and dusttight seal
- Blocks the passage of flames, smoke and heat in the case of fire
- Paintable

CHARACTERISTICS

- **Consumption**: 5.5 linear metres per 550 ml cartridge (10x10 mm section)
- **Skin formation time**: 15 minutes (+23°C, 50% RH)
- **Movement in service**: 10%
- **Modulus of elasticity**: 0.10 N/mm² (at 50% elongation)
- **Shore A hardness**: 15
- **Storage**: 18 months at +5°C/+25°C
- **Reaction to fire (EN 13501-1)**: C-s_2-d0
- **Resistance to fire (EN 13501-2)**: EI 240

COLOURS

white

grey

CERTIFICATIONS

CE EN 15651 · CE EN 13501-1 · CE EN 13501-2 · GEV-EMICODE EC 1 very low emission

PACKAGING

Cartridges: 20 x 550 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 600 PRO
Mapei Gun 600 PRO Electric

Mapeflex AC-P

DESCRIPTION

Paintable acrylic sealant with a "render-effect" finish

Sealing internal and external joints and cracks subject to small movements, for all absorbent building materials. Its rough surface finish helps to hide the sealed joint more easily when applied on render, concrete and natural brickwork.

APPLICATION

Remove all loose parts from the surfaces to be sealed. For fillet joints, place masking tape along the edges of the joint, extrude the sealant, smooth over the sealant and immediately remove the masking tape. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio. For high stresses, impregnate the edges of the joint with a primer made from **Mapeflex AC-P** diluted with water. Do not apply the product if it is about to rain, it is not suitable for wet joints.

BENEFITS

- **Rough surface to simulate the surface of the render**
- Paintable
- Easily workable
- Water-based, no solvents
- Compatible with damp substrates

CHARACTERISTICS

- **Consumption**: 3.1 linear metres per 310 ml cartridge (10x10 mm section)
- **Skin formation time**: 15 minutes (+23°C, 50% RH)
- **Movement in service**: 12.5%
- **Modulus of elasticity**: 0.11 N/mm² (at 50% elongation)
- **Shore A hardness**: 15
- **Storage**: 24 months at +5°C/+25°C

COLOUR

white

CERTIFICATIONS

CE EN 15651

GEV-EMICODE EC 1 very low emission

PACKAGING

Cartridges: 12 x 310 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

Mapeflex Blackfill

DESCRIPTION

Bitumen sealant

Non-hardening sealant for sealing and blending in new and old bitumen membranes, construction elements on roofs and flat roofs and for immediate waterproof seals and for application on damp substrates.

APPLICATION

Extrude the product into the area to be sealed and smooth over with a trowel. When forming fillet seals between different materials, extrude enough product and use a metal spatula to form a continuous strip to overlap the joint. To make it easier to finish off the surface of the sealant, the metal trowel may be heated up.

BENEFITS

- **Compatible with bitumen substrates**
- **Immediately waterproof after laying**
- Compatible with damp substrates
- Bonds to a multitude of surfaces
- Remains plastic

CHARACTERISTICS

- **Consumption**: 3 linear metres per 300 ml cartridge (10x10 mm section)
- **Skin formation time**: 10 minutes
- **Elongation at failure**: 65%
- **Storage**: 18 months at +5°C/+25°C

COLOUR

black

PACKAGING

Cartridges: 12 x 310 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

Mapeflex E-PU 21 SL

DESCRIPTION

Two-component, high-strength, hi-flow epoxy-polyurethane sealant with high modulus of elasticity.

Sealing horizontal joints in interior and exterior, also subject to high mechanical stress. High-elastic modulus, high surface hardness and chemical resistance sealant. Ideal for sealing contraction and expansion joints in ceramic floors and grouts in rubber and PVC floors. Also Ideal for joints in commercial environments, warehouses, storages, production areas. After applying **Primer EP** or **Primer MF**, the product adheres on concrete, ceramics, wood and metal. Also available in neutral colour, for custom pigmentation with **MAPECOLOR PASTE**.

APPLICATION

Remove all loose parts from the surfaces to be sealed, place masking tape along the edges of the joint, apply the suitable primer on the sides of the joint and leave it to dry. Insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio. Mix the two pre-dosed components until a uniform mix is obtained, pour the product into the joint and remove the masking tape. If **Mapecolor Paste** is used, it must be added beforehand to component A.

PACKAGING

Drums: 5 kg (A+B)
Please refer to Technical Data Sheet before use.

BENEFITS

- **High mechanical strength**
- Good chemical resistance
- Hi-flow, quick and easy application on floors
- Two pre-dosed components
- Paintable
- Polishable

CHARACTERISTICS

- **Movement in service**: 10%
- **Shore A hardness**: 60
- **Workability time after mixing**: 50 minutes
- **Setting time**: 8 hours
- **Set to foot traffic**: 24 hours
- **In-service temperature**: -30°C to +80°C
- **Consumption**: 0.14 kg/linear metre (10x10mm section)
- **Storage**: 24 months at +5°C/+25°C

COLOURS

grey 113

neutral

Mapeflex E-PU 30 NS

DESCRIPTION

Two-component, high-strength, thixotropic epoxy-polyurethane sealant with high modulus of elasticity.

Sealing vertical joints in interior and exterior, also subject to high mechanical stress. High-elastic modulus, high surface hardness and chemical resistance sealant. Ideal for sealing contraction and expansion joints in ceramic floors and grouts in rubber and PVC floors. Also Ideal for joints in commercial environments, warehouses, storages, production areas. After applying **Primer EP** or **Primer MF**, the product adheres on concrete, ceramics, wood and metal. Also available in neutral colour, for custom pigmentation with **Mapecolor Paste**.

APPLICATION

Remove all loose parts from the surfaces to be sealed, place masking tape along the edges of the joint, apply the primer on the sides of the joint and leave it to dry. Insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio.
Mix the two pre-dosed components until a uniform mix is obtained, apply the product into the joint using a trowel and remove the masking tape.
If **Mapecolor Paste** is used, it must be added beforehand to component A.

PACKAGING

Drums: 5 kg (A+B)
Please refer to Technical Data Sheet before use.

BENEFITS

- **High mechanical strength**
- **Good chemical resistance**
- Thixotropic, for application also on vertical surfaces
- Two pre-dosed components
- Paintable
- Polishable

CHARACTERISTICS

- **Movement in service**: 10%
- **Shore A hardness**: 60
- **Workability time after mixing**: 40 minutes
- **Setting time**: 8 hours
- **Set to foot traffic**: 24 hours
- **In-service temperature**: -30°C to +80°C
- **Consumption**: 0.14 kg/linear metre (10x10 mm section)
- **Storage**: 24 months at +5°C/+25°C

COLOURS

grey 113 neutral

Mapeflex Firestop 1200°C

DESCRIPTION

Refractory grout

Rigid grout for chimneys, furnaces, radiators, barbecues, flues and fire-break walls. Ideal for pointing joints between refractory bricks and for laying purposes. Specifically made for rigidly blending and filling voids and gaps in pre-manufactured elements in contact with flames or at working temperatures up to +1200°C.

APPLICATION

Surfaces to be bonded or sealed must be dry and free of loose parts and substance which could impede bonding, such as oil, stripping compounds and traces of surface rust.
When pointing refractory bricks on new and old elements, extrude the sealant into the joint to form a section at least 5x5 mm. Smooth over the sealant immediately after extrusion.
When laying refractory bricks, extrude several beads of the product on the lower brick, lay on the upper brick and press it down on the beads until 100% of the bonding surface must be buttered.
Leave the product to dry at room temperature for at least 24-72 hours before slowly bringing the sealed element or structure up to working temperature.

PACKAGING

Cartridges: 12 x 300 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

BENEFITS

- **Resistant up to +1200°C**
- For new manufactured elements and maintenance work on old manufactured elements
- Rapid drying
- Odourless

CHARACTERISTICS

- **Consumption**: 3 linear metres per 300 ml cartridge (10x10 mm section)
- **Skin formation time**: 6 minutes (+23°C, 50% RH)
- **Final hardening time**: 4 mm/24 hours
- **Storage**: 12 months at +5°C/+25°C

COLOUR

grey

Mapeflex MS 40

DESCRIPTION

Hybrid sealant with low modulus of elasticity

Elastic sealant for internal and external expansion and fillet joints between all similar and dissimilar building materials commonly used in the building industry. Paintable after complete hardening.

APPLICATION

Used as sealant. Remove all loose parts from the surfaces to be sealed. When necessary, use **Primer FD** or **Primer P** on plastics. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio.

BENEFITS

- Highly elastic, can absorb greater movement in service
- Paintable
- Excellent resistance to ageing and UV rays
- No hazard or warning labels
- required
- Solvent-free, odourless
- Compatible with damp substrates

CHARACTERISTICS

- **Consumption:** 6 linear metres per 600 ml soft-catridge (10x10 mm section)
- **Skin formation time:** 40 minutes
- **Movement in service:** 25%
- **Modulus of elasticity:** 0.25 N/mm²
- **Shore A hardness:** 25
- **Storage:** 15 months at 5°C/+25°C

COLOURS

white

grey 111

CERTIFICATIONS

CE EN 15651

GEV-EMICODE EC 1 PLUS very low emission

PACKAGING

Cartridges: 20 x 600 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 600 PRO
Mapei Gun 600 PRO Electric

Mapeflex MS 45

DESCRIPTION

Multi-purpose, flexible hybrid sealant and adhesive with a high modulus of elasticity

For flexible seals in internal and external expansion and fillet joints between similar and dissimilar materials commonly used in the building industry. Flexible bonding of building elements as an alternative to lightweight mechanical fasteners. Paintable when completely hardened. Suitable for contact with drinking water.

APPLICATION

When used as sealant. Remove all loose parts from the surfaces to be sealed. When necessary, use **Primer FD** or **Primer P** on plastics. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio.
When used as flexible adhesive. Clean and degrease the surfaces to be bonded. Extrude beads or spots of the product every 15-20 cm and press together the components to be bonded. Temporary supports must be used for 24 hours for heavy objects.

BENEFITS

- **Single product for flexible bonds and seals**
- High initial "sucker effect" for bonding on vertical surfaces and ceilings
- Paintable
- Excellent resistance to ageing and UV rays
- No hazard or warning labels required
- Solvent-free, odourless
- **Compatible with damp substrates**
- **Suitable for contact with drinking water**

CHARACTERISTICS

- **Consumption**: 3.0 linear metres per 300 ml cartridge, 6.0 linear metres per 600 ml soft cartridges (10x10 mm section)
- **Skin formation time**: 45 minutes
- **Movement in service**: 20%
- **Modulus of elasticity**: 0.66 N/mm²
- **Shore A hardness**: 43
- **Storage**: 15 months at +5°C/+25°C

COLOURS

grey 111* | grey 113* | white | brown | black* | beige

** Also available in 600 ml formats*

CERTIFICATIONS

CE EN 15651 | GEV-EMICODE EC 1 PLUS very low emission | PZH

PACKAGING

Cartridges: 12 x 300 ml
Soft-cartridges: 20 x 600 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS 300 ml

Mapei Gun 310
Mapei Gun 310 PRO

WORKING TOOLS 600 ml

Mapei Gun 600 PRO
Mapei Gun 600 PRO Electric

Mapeflex MS Crystal

DESCRIPTION

Elastic high modulus, crystal clear, hybrid sealant and adhesive.

Forming elastic seals between similar and/or different materials normally used in the building industry. Ideal for sealing glass to glass or between substrates in contrasting colours.

APPLICATION

When used as sealant. Remove all loose material from the surfaces to be sealed. When necessary, apply **Primer FD** or **Primer P** on plastics.
For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord along the bottom of the joint to set the correct width/depth ratio.
When used as elastic adhesive. Clean and degrease the surfaces to be bonded. Extrude beads or spots of product every 15-20 cm and press the components to be bonded together. Temporary supports must be used for 24 hours when bonding heavy objects.

PACKAGING

Cartridges: 12 x 300 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

BENEFITS

- **Single product for bonding and sealing**
- Compatible with damp substrates
- **Crystal clear**
- Special nozzle to prevent waste
- Solvent-free
- No hazard or warning labels required

CHARACTERISTICS

- **Consumption**: 3.0 linear metres per 300 ml cartridge (10x10 mm section)
- **Skin formation time**: 35 minutes
- **Movement in service**: 20%
- **Modulus of elasticity**: 0.80 N/mm²
- **Shore A hardness**: 35
- **Storage**: 18 months

COLOUR

crystal clear

CERTIFICATIONS

CE EN 15651

GEV-EMICODE EC 1 PLUS very low emission

Mapeflex PU 35 CR

DESCRIPTION

One-component elastic polyurethane sealant, highly resistant to chemicals, also suitable for cleanrooms and contact with drinking water

Sealing joints in industrial environments where there could be a combination of mechanical stress and the presence of chemicals. Ideal for sterile environments and cleanrooms. Suitable for contact with drinking water. Adheres to metal substrates after treating them with **Primer M**; for absorbent substrates use **Primer A**.

APPLICATION

Remove all loose parts from the surfaces to be sealed. Insert **Mapefoam** foam filler cord in the bottom of joint to gauge the correct width/depth ratio, place masking tape along the edges of the joint, apply the suitable primer on the sides of the joint and leave it to dry, extrude the sealant, then smooth over the surface and immediately remove the tape.

BENEFITS

- High modulus of elasticity with high deformability
- Thixotropic consistency for application on vertical surfaces
- **High chemical resistance**
- Very low certified enviromental emission
- Paintable
- **Suitable for contact with drinking water**

CHARACTERISTICS

- **Consumption**: 6.0 linear metres per 600 ml cartridge (10x10 section)
- **Skin formation time**: 90 minutes
- **Movement in service**: 25% (with **Primer A** or **Primer M**), 20% (without primer)
- **Modulus of elasticity**: 0.8 N/mm²
- **Shore A hardness**: 36
- **Storage**: 12 months
- Certified for contact with drinking water
- Compliant with HACCP regulations
- Certified for use in cleanrooms

COLOUR

grey 113

CERTIFICATIONS

EN 15651 EN 14187 GEV EMICODE EC 1 PLUS very low emission

PACKAGING

Soft-cartridge: 20 x 600 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 600 PRO
Mapei Gun 600 PRO Electric

Mapeflex PU 40

DESCRIPTION

Polyurethane sealant with a low modulus of elasticity

Sealing flexible expansion and fillet joints on pre-fabricated buildings, traditional and ventilated façades, cracks and slits.
Compatible with all absorbent mineral substrates, metal surfaces, painted surfaces, wood, stone, brickwork and glass. Paintable after complete polymerisation.

APPLICATION

Remove all loose parts from the surfaces to be sealed. Apply **Primer M** or **Primer A** and leave it to dry. For fillet joints, place masking tape along the edges of the joint, extrude the sealant, smooth over the sealant and immediately remove the masking tape. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio.

BENEFITS

- Paintable
- **Low modulus of elasticity to avoid detachment from the edges of joints**
- Highly flexible even at low temperatures

CHARACTERISTICS

- **Consumption**: 3.0 linear metres per 300 ml cartridge; 6.0 linear metres per 600 ml soft-cartridge (10x10 mm section)
- **Skin formation time**: 3 hours (+23°C, 50% RH)
- **Movement in service**: 25%
- **Modulus of elasticity at +23°C**: 0.24 N/mm²
- **Modulus of elasticity at -30°C**: 0.31 N/mm²
- **Shore A hardness**: 27
- **Storage**: 12 months at +5°C/+25°C

COLOURS

white | grey 111 | grey 112 | grey 113

CERTIFICATIONS

CE
EN 15651

PACKAGING

Cartridges: 12 x 300 ml
Salsicce: 20 x 600 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS 300 ml

Mapei Gun 310
Mapei Gun 310 PRO

WORKING TOOLS 600 ml

Mapei Gun 600 PRO
Mapei Gun 600 PRO Electric

Mapeflex PU 45 FT

DESCRIPTION

Universal polyurethane sealant and adhesive with a high modulus of elasticity

Flexible sealing of internal and external expansion and fillet joints, between similar and/or different materials normally used in the building industry. Flexible bonding of building elements as an alternative to lightweight mechanical fasteners. It can be painted over after complete polymerisation.

APPLICATION

When used as sealant. Remove all loose parts from the surfaces to be sealed. According to necessity, use **Primer M**, **Primer A** or **Primer P**. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio.
When used as flexible adhesive. Clean and degrease the surfaces to be bonded. Extrude beads or spots of the product every 15-20 cm and press together the components to be bonded. Temporary supports must be used for 24 hours for heavy objects.

BENEFITS

- **Single product for flexible bonds and seals**
- High resistance to traffic
- High "sucker effect" for bonding on vertical surfaces and ceilings
- Paintable
- High bond strength even without primer
- Solvent-free and odourless

CHARACTERISTICS

- **Consumption**: 3.0 linear metres per 300 ml cartridge, 6.0 linear metres per 600 ml soft-cartridge (10x10 mm section)
- **Skin formation time**: 90 minutes (+23°C, 50% RH)
- **Movement in service**: 20%
- **Modulus of elasticity**: 0.80 N/mm²
- **Shore A hardness**: 38
- **Storage**: 12 months at +5°C/+25°C

COLOURS

white, grey 111, grey 113, black, beige, brown*

** Available only in 300 ml cartridges*

CERTIFICATIONS

CE EN 15651

Fast Track Ready

PACKAGING

Cartridges: 12 x 300 ml
Soft-cartridge: 20 x 600 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS 300 ml

Mapei Gun 310
Mapei Gun 310 PRO

WORKING TOOLS 600 ml

Mapei Gun 600 PRO
Mapei Gun 600 PRO Electric

Mapeflex PU 50 SL

DESCRIPTION

Hi-flow polyhuretane sealant with a low modulus of elasticity

Flexible sealing of internal and external horizontal expansion and fillet joints, sealing civil and industrial floor joints, shopping centres, car-parks and runways subject to large movements in service and with a slope of up to 2%. Compatible with all absorbent mineral substrates, metal surfaces, painted surfaces, wood, stone, brickwork glass and ceramic. Paintable after complete polymerisation.

APPLICATION

Remove all loose parts from the surfaces to be sealed. Insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio, put masking tape along the edges of the joint, apply **Primer M or Primer A** and leave it to dry. Pour the sealant into the joint and immediately remove the masking tape.

BENEFITS

- **Hi-flow, quick and easy application on floors**
- Low modulus of elasticity to avoid detachment from the edges of joints
- Paintable
- High bond strength even without primer
- Highly flexible even at low temperatures
- One-component product

CHARACTERISTICS

- **Consumption**: 6.0 linear metres per 600 ml soft cartridge (10x10 mm section)
- **Skin formation time**: 2 hours (+23°C, 50% RH)
- **Movement in service**: 25%
- **Modulus of elasticity**: 0.25 N/mm²
- **Shore A hardness**: 22
- **Storage**: 12 months at +5°C/+25°C

COLOUR

grey 111

CERTIFICATIONS

CE
EN 15651

PACKAGING

Soft cartridge: 20 x 600 ml
Drums: 12 kg
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 600 PRO
Mapei Gun 600 PRO Electric
Mapeflex SPP (battery peristaltic pump)

Mapeflex PU 65

DESCRIPTION

High modulus two-component polyhurethane sealant for road joints

Sealing joints flush with the road surface subject to high mechanical stress and intense vehicle traffic. May be used as it is (components A+B) or mixed with **Quartz 0.5** up to 1:1 by weight (A+B+C). Use **Primer PU 60** to help the sealant adhere more strongly along the sides of the joint.

APPLICATION

Remove all loose parts from the surfaces to be sealed. Mix the two pre-dosed components together, add **Quartz 0.5** up to 1:1 by weight if required and pour the sealant into the joint without waiting. The product sets to traffic after approximately 1 hour. Add **Mapeflex PU 65 Catalyst** to accelerate setting/ hardening.

PACKAGING

Drums: 10 kg (A+B)
Please refer to Technical Data Sheet before use.

BENEFITS

- Very high modulus of elasticity and surface hardness
- For both large and small volumes
- High resistance to rolling friction
- **Quick set to traffic**
- Competitive price

CHARACTERISTICS

- **Consumption**: 1.2 kg/litre (A+B) without sand, 1.6 kg/litre (A+B+C) with **Quartz 0.5** at 1:1 by weight
- **Skin formation time**: 15 minutes (+23°C, 50% RH)
- **Set to traffic**: 2-3 hours
- **Complete hardening**: 24 hours
- **Shore A hardness**: 80 (A+B) without sand, 90 (A+B+C) with **Quartz 0.5** at 1:1 by weight
- **Elongation at failure**: 250% (A+B) without sand, 85% (A+B+C) with **Quartz 0.5** at 1:1 by weight
- **Storage**: 12 months at +5°C/+25°C

COLOUR

black

Mapeflex PU 70 NS

DESCRIPTION

Two-component polyurethane thixotropic sealant with low modulus of elasticity, resistant to hydrocarbons

Sealing expansion and contraction vertical or sloping joints that come into accidental or intermittent contact with gasoline, fuels, lubricants and de-icing substances. Also suitable for application in hydraulic works such as basins, canals, tanks. Adheres on concrete after application of **Primer PU60** or **Primer M**.

APPLICATION

Remove all loose parts from the surfaces to be sealed, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio. Place masking tape along the edges of the joint, apply the primer on the sides of the joint and leave it to dry. Mix the two pre-dosed components, apply the sealant with a trowel and then immediately remove the masking tape.

PACKAGING

Drums: 5 kg (A+B)
Please refer to Technical Data Sheet before use.

BENEFITS

- Thixotropic, even in vertical or sloping joints
- Low modulus of elasticity
- High resistance to hydrocarbons
- Resistant to water
- Rapid

CHARACTERISTICS

- **Consumption:** 0.16 kg/linear metre (10x10 mm section)
- **Workability after mixing:** 45 minutes
- **Set to traffic:** 24 hours
- **Movement in service:** 25%
- **Modulus of elasticity:** 0.6 N/mm²
- **Shore A hardness:** 30
- **Storage:** 12 months

COLOUR

black

Mapeflex PU 70 SL

DESCRIPTION

Two-component, hi-flow polyurethane sealant resistant to hydrocarbons, with a low modulus of elasticity

Sealant for expansion and contraction joints in surfaces subject to accidental or intermittent contact with oil, fuel, petrol, lubricants and de-icing substances. Bonds to concrete after applying **Primer PU60** or **Primer M**.
Use **Primer SN** in case of bituminous conglomerates.

APPLICATION

Remove all loose parts from the surfaces to be sealed. Insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio, put masking tape along the edges of the joint, apply the suitable primer and leave it to dry. Mix the two pre-dosed components, pour the sealant into the joint and immediately remove the masking tape.

BENEFITS

- Hi-flow
- Low modulus of elasticity
- **Certified for use in airports**
- High resistance to hydrocarbons
- Rapid

CHARACTERISTICS

- **Consumption**: 0.15 kg/linear metre (10x10 mm section)
- **Workability after mixing**: 45 minutes
- **Set to traffic**: 24 h
- **Movement in service**: 25%
- **Modulus of elasticity**: 0.3 N/mm²
- **Shore A hardness**: 18
- **Storage**: 12 months

COLOURS

black

grey

CERTIFICATIONS

Fed. Spec. SS-S-200-E
BS 5212

PACKAGING

Drums: 10 kg (A+B)
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapeflex SPP (battery peristaltic pump)

Mapeflex PU S15

DESCRIPTION

polyurethane sealant with a low modulus of elasticity

Elastic sealant for expansion and fillet joints in pre-fabricated buildings, cracks and slits. Paintable after complete polymerisation.

APPLICATION

Remove all loose parts from the surfaces to be sealed. Apply **Primer M** or **Primer A** and leave it to dry.
For fillet joints, place masking tape along the edges of the joint, extrude the sealant, smooth over the sealant and immediately remove the masking tape. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio.

BENEFITS

- Paintable
- Low modulus of elasticity to avoid detachment
- high elasticity even at low temperatures
- Good price-performance ratio

CHARACTERISTICS

- **Consumption:** 6.0 linear metres per 600 ml soft cartridge (10x10mm section)
- **Skin formation time:** 80 minutes (+23°C, 50% RH)
- **Movement in service:** 25%
- **Modulus of elasticity at +23°C:** 0.25 N/mm²
- **Shore A hardness:** 25
- **Storage:** 12 months at +5°C/+25°C

COLOURS

white

grey 111

CERTIFICATIONS

CE
EN 15651

PACKAGING

Soft cartridges: 20 x 600 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 600 PRO
Mapei Gun 600 PRO Electric

MapePUR All in One Foam

DESCRIPTION

Multi-purpose polyurethane foam with multi-use feeder valve

Filling and sealing large and small gaps and cavities. Assembly work, filling and insulating gaps for a wide range of construction features in the building industry and equipment/plant installations.

APPLICATION

When using the sealant gun version, shake the can for around 20 seconds and screw the can to a **MapePUR Gun standard** using the threaded collar. Alternatively, the small tube supplied with the can may be used instead of the sealant gun to feed the foam (always wear protective gloves).

BENEFITS

- **Double use valve (manual and gun application)**
- Insulating/soundproofing properties
- Rapid-hardening
- Excellent adhesion (except on PE, PP and Teflon)
- Ready to use
- CFC free

CHARACTERISTICS

- **Volume**: up to 38-45 litres (free expansion)
- **Sanding**: 25 minutes
- **Thermal conductivity**: 0.039 W/(m K)
- **Application temperature**: +5°C/+30°C
- **Reaction to fire**: class B2

COLOUR

straw yellow

CERTIFICATIONS

B2
DIN 4102-1

PACKAGING

Hand-held cans:
12 x 750 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

MapePUR Gun Standard
MapePUR Gun Special

MapePUR Fire Foam M

DESCRIPTION

Fire-proof self-extinguishing polyurethane foam

Filling, sealing and insulating gaps requiring class EI fire resistance.

APPLICATION

Remove the cap and put on the protective gloves under the cap. Hold the can upside-down, shake for around 20 seconds and screw the nozzle to the valve. Spray the foam into the area to be filled; start from the lowest part and work upwards. Fill the gap to around 60% of its volume, wait until it has expanded and set and trim off the excess foam.

BENEFITS

- CFC free
- High expansion rate
- **Certified EI 240 fire resistant**
- Ready to use
- Thixotropic

CHARACTERISTICS

- **Volume**: up to 45 litres (free expansion)
- **Sanding**: 30 minutes
- **Thermal conductivity**: 0.039 W/(m K)
- **Application temperature**: +5°C/+30°C
- **Reaction to fire**: class B1
- **Storage**: 12 months

COLOUR

pink

CERTIFICATIONS

B1 DIN 4102-1

EI 240 EN 1501-2

PACKAGING

Hand-held cans:
12 x 750 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

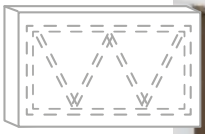
MapePUR Easy Spray

MapePUR Multi Adhesive Foam G

DESCRIPTION

Polyurethane foam adhesive for bonding

Bonding construction elements used in the building industry such as bricks, cement, wood and metal. Suitable for bonding EPS, XPS and mineral wool insulating panels.



APPLICATION

Turn the can upside down and shake for around 20 seconds. Screw the can to the threaded collar of a **MapePUR Gun Standard** and apply the foam in beads or spots to guarantee a better bond. When bonding insulating panels such as EPS or XPS, it is recommended to apply the foam around 3 cm from the edges of the panel and then make a "W" shaped pattern in the central part of the panel, as indicated in the drawing.

BENEFITS

- **Easy to use**
- Very low expansion rate
- Bonds a wide range of substrates
- Rapid-hardening
- High pull-off strength
- Supplied ready for use
- Bonds around 10-12 m² (EPS or XPS insulating panels)
- Contains no CFC

CHARACTERISTICS

- **Complete hardening**: 1.5 hours
- **Finishing/trimming**: 15 minutes
- **Tensile strength (in compliance with ETAG 004)**: 8 N/cm²
- **Thermal conductivity**: 0.036 W/(m K)
- **Application temperature**: +5°C/+30°C
- **Reaction to fire**: class B2
- **Storage**: 18 months

COLOUR

straw yellow

CERTIFICATIONS

B2 DIN 4102-1

PACKAGING

Hand-held cans:
12 x 750 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

MapePUR Gun Standard
MapePUR Gun Special

MapePUR Roof Foam G and M

DESCRIPTION

Polyurethane foam for roofs

Filling, sealing and bonding building components; particularly used for installing and insulating roofing tiles on gable roofs.

APPLICATION

Hand held version (**MapePUR Roof Foam M**): remove the cap and put on the protective gloves. Hold the can upside-down, shake for around 20 seconds and screw the nozzle to the valve.
Apply the foam in beads and spots to guarantee a better bond. Extrusion gun version (**MapePUR Roof Foam G**): shake the can for around 20 seconds and screw the can to the threaded collar of a **MapePUR Gun Standard**.

BENEFITS

- Contains no CFC
- **Low expansion rate**
- **Simple rapid use**
- Ready to use
- High tear strength
- For bonding 6-16 m² of roof tiles
- Precise feed, maximum yield and no waste (**MapePUR Roof Foam G**)

CHARACTERISTICS

- **Volume**: up to 45 litres (free expansion)
- **Sanding**: 30 minutes
- **Thermal conductivity**: 0.039 W/(m K) (**M** version); 0.036 W/(m K) (**G** version)
- **Application temperature**: +5°C/+30°C
- **Reaction to fire**: class B2
- **Modulus of elasticity**: 0.36 N/mm²
- **Tensile strength**: 7.5 N/cm²
- **Adhesion to roof tiles**: 12.5 N/cm²
- **Storage**: 18 months

COLOUR

grey

CERTIFICATIONS

B2 DIN 4102-1

PACKAGING

Hand-held cans:
12 x 750 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

MapePUR Gun Standard
MapePUR Gun Special
MapePUR Easy Spray

MapePUR Universal Foam G and M

DESCRIPTION

Multi-purpose polyurethane foam

Filling and sealing large and small gaps and cavities. Assembly, filling and insulating work on a wide range of construction features in the building and plant installation sectors.

APPLICATION

Hand held version (**MapePUR Universal Foam M**): remove the cap and put on the protective gloves. Hold the can upside-down, shake for around 20 seconds and screw the nozzle to the valve.
Spray the foam into the area to be filled; start from the lowest part and work upwards. Fill the gap to around 60% of its volume. Extrusion gun version (**MapePUR Universal Foam G**): shake the can for around 20 seconds and screw the can to the threaded collar of a **MapePUR Gun Standard**. The foam may be cut once hardened.

BENEFITS

- **Insulating/soundproofing properties**
- Ready to use
- Excellent adhesion (except on PE, PP and Teflon)
- Rapid-hardening
- Precise feed, maximum yield, no waste (**MapePUR Universal Foam G**)
- CFC free

CHARACTERISTICS

- **Volume**: up to 45 litres (free expansion)
- **Sanding**: 30 minutes
- **Thermal conductivity**: 0.039 W/(m K) (**M** version); 0.036 W/(m K) (**G** version)
- **Acoustic insulation**: 58 dB
- **Application temperature**: +5°C/+30°C
- **Storage**: 18 months

COLOUR

straw yellow

CERTIFICATIONS

B3 DIN 4102-1

PACKAGING

Hand-held cans:
12 x 750 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

MapePUR Gun Standard
MapePUR Gun Special
MapePUR Easy Spray

Mapesil 300°C

DESCRIPTION

Acetic silicone sealant for high temperatures

Flexible seals on substrates with working temperatures up to +300°C, fillet joints on flues, hot pipe-work, air conditioning conduits, civil and industrial furnaces and boilers, and for seals on external motors mounted on heaters and boilers. **Mapesil 300°C** is not suitable for direct contact with flames; in such cases use **Mapeflex Firestop 1200°C** or **Mapeflex AC-FR 2**.

APPLICATION

Remove all loose parts and degrease the surfaces to be sealed. Use **Primer FD** on absorbent mineral substrates, such as concrete, render and brickwork. Use masking tape along the sides of the joint to get a Application and polymerisation of **Mapesil 300°C** must take place at room temperature until the section of sealant completely hardens. Only when hardened it may come into contact with high temperatures.

BENEFITS

- **Resistant to high working temperatures, to thermal shock and fumes**
- Resistant to oils, lubricants, fuels, acid and alkaline environments
- Improves the draw of flues
- Remains flexible for construction, industrial and motoring applications

CHARACTERISTICS

- **Consumption**: 3.0 linear metres per 300 ml cartridge (10x10 mm section)
- **Skin formation time** : 6 minutes (+23°C, 50% RH)
- **Hardening time**: 4 mm/24 hours
- **Movement in service**: 20%
- **Modulus of elasticity**: 0.60 N/mm²
- **Shore A hardness**: 20
- **Storage**: 18 months at +5°C/+25°C

COLOUR

black

CERTIFICATIONS

GEV-EMICODE EC 1 very low emission

PACKAGING

Cartridges: 12 x 300 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

Mapesil AC

DESCRIPTION

Pure, mould-resistant, acetic, silicone sealant for ceramic tiles, sanitary wares and swimming pools, with Bioblock® technology.

Sealing flexible fillet joints in ceramic, sanitary wares, glass and painted surfaces. Ideal for floor joints, ceramic coatings, swimming pools and damp environments.

APPLICATION

Remove all loose parts from the surfaces to be sealed. For fillet joints, place masking tape along the edges of the joint, extrude the sealant, smooth over the sealant and immediately remove the masking tape. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio. Apply **Primer FD** on absorbent materials (wood, concrete), metal, plastic and rubber.

BENEFITS

- **Pure silicone with no solvents**
- Low modulus of elasticity
- **34 colours coordinated with the "MAPEI coloured grouts" range and transparent**
- Resistant to mould
- High strength, high thermal and chemical resistance
- Permanent flexibility between -40°C and +180°C

CHARACTERISTICS

- **Consumption**: 3.1 linear metres per 310 ml cartridge (10x10 mm section)
- **Solid content**: 100%
- **Skin formation time**: 10 minutes (+23°C, 50% RH)
- **Elongation in service**: 25%
- **Modulus of elasticity**: 0.35 N/mm²
- **Shore A hardness**: 20
- **Storage**: 24 months at +5°C/+25°C

PACKAGING

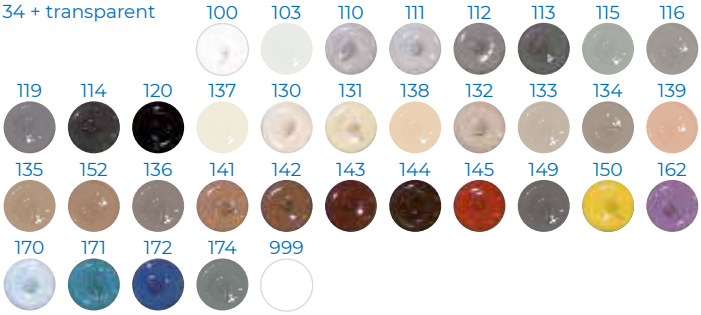
Cartridges: 12 x 310 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

COLOURS

34 + transparent



CERTIFICATIONS

CE EN 15651

GEV-EMICODE EC 1 PLUS very low emission

Bio Block

Mapesil BM

DESCRIPTION

Neutral silicon sealant for metalwork

Flexible sealing and bonding of construction features on roofs, flat-roofs and in metalwork, such as drainpipes, guttering, flashing and covering sheets. The product is also ideal for metallic structures, such as copper, steel, zinc-plated sheet, pre-painted sheet and aluminium. Also perfectly compatible with building products, such as render, concrete, wood, bricks, glass and polycarbonate (only in its transparent version).

APPLICATION

Carefully clean and degrease the surfaces to be bonded. When sealing new metal-work, extrude a bead of sealant along the end of the lower sheet, overlap the upper sheet and rivet the two sheets together. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio.

BENEFITS

- Excellent resistance to inclement weather and ageing
- Quick polymerisation
- **High resistance to temperature variations**
- Excellent bond without primer
- Low modulus of elasticity
- Neutral cross-linking, no unpleasant odour

CHARACTERISTICS

- **Consumption**: 3.1 linear metres per 310 ml cartridge (10x10 mm section)
- **Skin formation time**: 15 minutes (+23°C, 50% RH)
- **Movement in service**: 25%
- **Modulus of elasticity**: 0.35 N/mm²
- **Shore A hardness**: 25
- **Storage**: 12 months at +5°C/+25°C

COLOURS

transparent, grey, copper, dark brown

CERTIFICATIONS

CE EN 15651

GEV-EMICODE EC 1 PLUS very low emission

PACKAGING

Cartridges: 12 x 310 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

Mapesil GP

DESCRIPTION

Neutral mould-resistant silicone sealant for the building industry

Elastic seals around construction features on roofs and façades such as sheet metal roofing, guttering and downpipes, sandwich panels, window and door fittings and façades exposed to wind and the surrounding weather conditions. Ideal also for fillet seals between different materials in damp environments such as kitchens, bathrooms and changing rooms and for sealing tiled flooring. Ideal for use on absorbent or compact materials both internally and externally.

APPLICATION

Remove all loose material from the edges of the joint and insert a length of **Mapefoam** foam filler cord along the bottom of the joint to prevent sealant adhering to the bottom and to gauge the correct width/depth ratio. Place masking tape along the edges of the joint to get a perfect finish, extrude the sealant into the joint without entraining air and smooth over the surface of the sealant. Remove the masking tape immediately after application.

BENEFITS

- Good resistance to weathering
- Withstands temperature variations
- Neutral cross-linking, no unpleasant odours
- **Compatible with most building materials***
- Mould-resistant

** for plastics, contact MAPEI Technical Services Department*

CHARACTERISTICS

- **Consumption**: 2.8 linear metres per 280 ml cartridge (10x10 mm section)
- **Time to form surface skin**: 35 minutes
- **Movement in service**: 20%
- **Modulus of elasticity**: 0.37 N/mm²
- **Shore A hardness**: 24
- **Storage**: 18 months at +5°C/+25°C

COLOURS

transparent, white, grey-white, grey, copper, dark brown

CERTIFICATIONS

CE EN 15651

GEV-EMICODE EC 1 PLUS very low emission

PACKAGING

Cartridges: 12 x 280 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

Mapesil LM

DESCRIPTION

Neutral mould-resistant silicon sealant for marble and stone material, with Bioblock® technology

Flexible seals in expansion joints and fillet joints on façades and in internal and external coatings in natural stone or sensitive to staining. It is also suitable for damp environments and swimming pools.

APPLICATION

Remove all loose parts from the surfaces to be sealed. For fillet joints, place masking tape along the edges of the joint, extrude the sealant, smooth over the sealant and immediately remove the masking tape. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio.

BENEFITS

- **Does not stain stone surfaces, according to ASTM C 1248**
- High bond strength with no primer on a wide range of substrates
- Excellent resistance to inclement weather, ageing and mould
- Low modulus of elasticity
- Wide range of colours available
- Neutral cross-linking, no unpleasant odour

CHARACTERISTICS

- **Consumption**: 3.1 linear metres per 310 ml cartridge (10x10 mm section)
- **Skin formation time**: 15 minutes (+23°C, 50% RH)
- **Movement in service**: 25%
- **Modulus of elasticity**: 0.35 N/mm²
- **Shore A hardness**: 21
- **Storage**: 18 months at +5°C/+25°C

COLOURS

100 110 111 112 113 114

120 130 132 999

CERTIFICATIONS

CE EN 15651

ASTM C1248

PACKAGING

Cartridges: 12 x 310 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

Mapesil U

DESCRIPTION

Multi purpose mould-resistant acetic silicone sealant

Sealing fillet joints between all types of building materials made of glass, ceramic, stainless steel and certain types of plastic.

APPLICATION

Remove all loose parts from the surfaces to be sealed. For fillet joints, place masking tape along the edges of the joint, extrude the sealant, smooth over the sealant and immediately remove the masking tape. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio. Apply **Primer FD** on absorbent materials (wood, concrete), metal, plastic and rubber.

BENEFITS

- Resistant to mould
- **Easy to extrude and smooth over**
- Rapid

CHARACTERISTICS

- **Consumption**: 2.8 linear metres per 280 ml cartridge (10x10 mm section)
- **Skin formation time**: 20 minutes (+23°C, 50% RH)
- **Movement in service**: 20%
- **Modulus of elasticity**: 0.36 N/mm²
- **Shore A hardness**: 18
- **Storage**: 18 months

COLOURS

transparent white

CERTIFICATIONS

CE
EN 15651

PACKAGING

Cartridges: 24 x 280 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

Mapesil Z Plus

DESCRIPTION

Mould-resistant acetic silicone sealant for sanitary wares

Flexible sealing of fillet joints between sanitary wares and ceramic, shower booths, Jacuzzis, wash-basins, sinks, greenhouses, laundry rooms and damp environments in general.

APPLICATION

Remove all loose parts from the surfaces to be sealed. For fillet joints, place masking tape along the edges of the joint, extrude the sealant, smooth over the sealant and immediately remove the masking tape. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/depth ratio. Apply **Primer FD** on absorbent materials (wood, concrete), metal, plastic and rubber.

BENEFITS

- Resistant to mould
- Excellent bond on glass, ceramic, painted surfaces and certain types of plastic
- **Permanent flexibility between -40°C and +100°C**
- Excellent resistance to ageing

CHARACTERISTICS

- **Consumption**: 2.8 linear metres per 280 ml cartridge (10x10 mm section)
- **Skin formation time**: 25 minutes (+23°C, 50% RH)
- **Movement in service**: 20%
- **Modulus of elasticity**: 0.36 N/mm²
- **Shore A hardness**: 18
- **Storage**: 18 months at +5°C/+25°C

COLOURS

transparent white grey 113

CERTIFICATIONS

CE EN 15651

GEV-EMICODE EC 1 PLUS very low emission

PACKAGING

Cartridges: 12 x 280 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

Mapetape

DESCRIPTION

Self-adhesive sealing tape

Cold-applied, self-adhesive bituminous tape sandwiched to a thin metal strip (pre-painted aluminium) for sealing and waterproofing gaps, cracks and joints in roofs and flat roofs, old bitumen membranes, tinwork, sandwich panels, insulating panels, skylights and chimneys where rainwater could seep through.

APPLICATION

Remove all loose material from the substrate and any traces of water from flat roofs. If the temperature is lower than +5°C, heat the tape with a blower. Cut the tape to suit the shape of the area to be sealed. Remove the silicone backing from the tape, place the tape over the joint and press and flatten the tape with a roller. Overlap the edges of adjacent pieces of tape by 5 cm.

PACKAGING

Please refer to Technical Data Sheet before use.

BENEFITS

- **Easy to apply, even around complicated shapes**
- Immediate waterproofing after application
- Easy to apply, no special tools or skills required
- Resistant to tear, bad weather and temperature variations
- coloured finish, blends in with the colour of the roof

CHARACTERISTICS

- **Consumption**: in linear metres
- **In-service temperature range**: -20°C/+80°C (-20°C/+65°C if applied on surfaces with a slope of more than 45°)
- **Application temperature range**: +5°/+45°C
- **Elongation at failure**: > 20%
- **Storage**: 24 months at +5°C/+30°C

COLOURS	Width of tape	Length of tape	N° of rolls per box	Metres per box
Aluminium	100 mm	10 m	n° 6	60 m
	150 mm		n° 4	40 m
	200 mm		n° 2	20 m
Lead	100 mm	10 m	n° 6	60 m
	150 mm		n° 4	40 m
	200 mm		n° 2	20 m

Ultrabond MS Rapid

DESCRIPTION

Rapid-setting assembly adhesive for internal and external use

Assembling and constructing building and industrial elements without or with limited use of mechanical fasteners. Deformable bonds for light or heavy construction elements on all the most widely used building materials, including damp materials. Ideal for bonding panels, dressing materials, mirrors and decorative features on internal and external surfaces. Also specific for bonding **Idrostop Soft** water-expanding profiles.

APPLICATION

Thoroughly clean and degrease all surfaces to be bonded. For certain applications apply **Primer FD** or **Primer P** and leave to dry. Apply one or more parallel beads around 10-15 cm apart using the triangular pre-cut nozzle. Press together the elements to be bonded for at least 10 seconds. Use temporary supports when bonding heavy objects.

BENEFITS

- **Very high initial sucker effect**
- **High strength bond after a very short time**
- No clamps required
- Compatible with most building materials*, including damp materials
- Evens out irregularities between different surfaces when fresh; absorbs the different expansion rates of bonded materials/elements when hardened
- Suitable for internal and external use and below water level

** for plastics, contact MAPEI Technical Services Department*

CHARACTERISTICS

- **Consumption**: 5.0 linear metres per 290 ml cartridge (triangular section)
- **Skin formation time**: 5 minutes
- **Hardening time**: 2 hours
- **Initial tensile strength (sucker effect):** 25 N/12 cm²
- **Final tensile strength:** 30 kg/cm²
- **Storage**: 18 months at +5°C / +25°C

COLOUR

white

CERTIFICATIONS

GEV-EMICODE EC 1 PLUS very low emission

Fast Track Ready

PACKAGING

Cartridges: 12 x 290 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

Ultrabond PU Strong

DESCRIPTION

Assembly polyurethane rigid adhesive for structural bonds

Rigid bonds when constructing and assembling internal and external components and features on site; may be used in addition to or instead of mechanical fasteners. Ideal for use as ultra-rapid-hardening adhesive with a strong final hold.
In certain cases it may be necessary to press the elements together or use a temporary support for the bonded object.

APPLICATION

Clean and degrease the surfaces to be bonded, apply a series of parallel beads or spots of adhesive around 10-15 cm apart and press together the elements to be bonded for a sufficient amount of time, depending on their weight. When bonding on vertical surfaces a temporary support may be required.

BENEFITS

- **Ultra-fast**
- **Structural bonds**
- Compatible with damp substrates
- High pull-off strength
- Sandable, drillable, paintable

CHARACTERISTICS

- **Skin formation time:** 4 minutes
- **Adjustment time**: 10 minutes
- **Hardening time**: 2 hours
- **Application temperature**: +5°C/+35°C
- **Storage**: 18 months

COLOUR

beige

CERTIFICATIONS

Fast Track Ready

D4 DIN EN 204-D4

PACKAGING

Cartridges: 12 x 300 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

Ultrabond Super Grip

DESCRIPTION

Rapid acrylic assembly adhesive for internal use

Flexible bonding of absorbent construction components as a replacement for nails, screws, mechanical fasteners and rigid adhesives.
Ideal for bonding wood panelling, profiles, decorative features and dressing panels, including on vertical surfaces and ceilings.

APPLICATION

Carefully clean and degrease the surfaces to be bonded, extrude the product in beads and spots every 10-15 cm on the parts to be bonded and press the parts together for a few seconds. When bonding heavy objects, use temporary supports for 24 hours. One of the two surfaces must be porous and absorbent.

BENEFITS

- High sucker effect
- Also suitable for vertical surfaces and ceilings
- Bonded items may be readjusted within 10-15 minutes
- Excellent filling properties
- Paintable
- Flexible bonds

CHARACTERISTICS

- **Consumption**: approx. 3.9 linear metres of 10 mm diameter bead, 15 linear metres of 5 mm diameter bead
- **Skin Formation time**: 10-15 minutes (+23°C, 50% RH)
- **Hardening time**: 24-48 hours (+23°C, 50% RH)
- **Initial tensile strength (sucker effect)**: 17 N/12 cm²
- **Final tensile strength**: 32.5 kg/cm²
- **Storage**: 24 months at +5°C/+25°C

COLOUR

white

CERTIFICATIONS

GEV-EMICODE EC 1 PLUS very low emission

PACKAGING

Cartridges: 12 x 310 ml
Please refer to Technical Data Sheet before use.

WORKING TOOLS

Mapei Gun 310
Mapei Gun 310 PRO

Primers

FOR PERFECT RESULTS

Primer A

Primer for absorbent substrates

USE

Solvent-free aliphatic polyurethane primer to improve adhesion of **Mapeflex** one-component polyurethane sealants on many different types of substrate.
Primer A is supplied ready to use and is applied by brush in a single, even coat over the entire substrate. The sealant must only be applied when the primer is no longer sticky (2 hours at +23°C and 50% R.H.).

CONSUMPTION

5÷10 g/linear metre of treated 1 cm-deep joint

PACKAGING

250 g bottle
1 kg bottle

Primer EP

Primer for Mapeflex E-PU 21 SL and Mapeflex E-PU 30 NS

USE

Transparent epoxy primer in solvent supplied in kits of 2 pre-dosed components, used to promote the bond of **Mapeflex** epoxy-polyurethane sealants. Mix the 2 components together and apply one or more coats of the mix on all absorbent or compact building substrates, according to the absorbency of the substrate. The sealant must only then be applied when the primer is no longer sticky to the touch, from 3 to 24 hours after application at +23°C and 50% RH. The workability time of the product after mixing is 4-5 hours.

CONSUMPTION

5÷10 g/linear metre of treated 1 cm-deep joint

PACKAGING

10 kg kit (A+B)

Primer FD

Primer for the sealants of the Mapesil range

USE

One-component silicone primer in solvent, used to promote the bond of **Mapesil** silicone sealants on absorbent mineral substrates in critical application conditions. **Primer FD** is supplied ready to use and is applied by brush in one or more coats according to the porosity of the substrate. The sealant must only then be applied when the primer is no longer sticky to the touch, after approximately 60 minutes at +23°C and 50% RH.

CONSUMPTION

5÷10 g/linear metre of treated 1 cm-deep joint

PACKAGING

200 g bottle
900 g bottle

Primer M

Primer for absorbent and non-absorbent surfaces

USE

Solvent-free aromatic polyurethane primer to promote the bond of **Mapeflex** one-component polyurethane sealants on all types of compact, non-absorbent building substrates, such as concrete, mortar, wood, brickwork, metal, ceramic and painted surfaces. **Primer M** is supplied ready to use and is applied by brush in a single even coat on the surface of the substrate. The sealant must only then be applied when the primer is no longer sticky to the touch, after approximately 40 minutes at +23°C and 50% RH.

CONSUMPTION

5÷10 g/linear metre of treated 1 cm-deep joint

PACKAGING

250 g bottle
2 kg bottle

Primer MF

Primer for Mapeflex E-PU 21 SL and Mapeflex E-PU 30 NS

USE

Two-component, solvent-free, epoxy primer used as a bonding promoter for epoxy-polyurethane sealants from the **Mapeflex** range. Mix the two components together and apply on all absorbent or compact building substrates. The sealant must only be applied when the primer is no longer sticky (4-48 hours). The workability time of the product after mixing is 90 minutes.

CONSUMPTION

5÷10 g/linear metre of treated 1 cm-deep joint

PACKAGING

6 kg kit (A+B)

Primer P

Primer for plastics

USE

Transparent solvent primer used to promote the bond of **Mapesil** neutral silicone sealants, **Mapeflex** and **Ultrabond** one-component polyurethane and hybrid sealants to a wide range of rigid and flexible plastics, such as PVC, polycarbonate, polyolefine, HD polypropylene, foam polyethylene, EPDM and plexiglas.
Primer P is supplied ready to use and is applied by brush in one or more coats according to the porosity of the substrate.
The sealant must only then be applied when the primer is no longer sticky to the touch, after approximately 20 minutes at +23°C and 50% RH. We recommend carrying out preliminary tests or contacting the Mapei Technical Services Department prior to application.

CONSUMPTION

5÷10 g/linear metre of treated 1 cm-deep joint

PACKAGING

150 g bottle

Primer PU60

Primer for Mapeflex PU 70 NS and Mapeflex PU 70 SL sealants

USE

One-component polyurethane primer in solvent, used to promote the bond of **Mapeflex PU 70 NS** and **Mapeflex PU 70 SL** modified polyurethane sealants. **Primer PU60** is supplied ready to use and is applied by brush in one or more coats, according to the porosity of the substrate. The sealant must only then be applied when the primer is no longer sticky to the touch, after approximately 24 hours at +23°C and 50% RH.

CONSUMPTION

5÷10 g/linear metre of treated 1 cm-deep joint

PACKAGING

10 kg metallic drum

Primer SN

Primer for bituminous substrates

USE

Two-component, solvent-free epoxy primer to promote adhesion of polyurethane sealants from the **Mapeflex** range on asphalt substrates. Mix the two pre-dosed components and apply by brush in one ore more coats, depending on the porosity of the substrate. The sealant must only then be applied when the primer is no longer sticky to the touch, after approximately 24 hours at +23°C and 50% RH.

CONSUMPTION

15÷20 g/linear metre of treated 1 cm-deep joint

PACKAGING

2 kg kit (A+B)

Accessory items and tools

TO MAKE WORK EASIER

Dispenser MICRO display unit

USE

Holds 56 “similar to silicone” tubes containing sealants and chemical anchors.

DIMENSIONS

55 x 37 x 57 cm (width x depth x height)

CODE

MK986401 (1x)

(1x): 1 unit to be ordered

MAXI shelf display unit

USE

Holds over 450 sealant and chemical anchor cartridges.

DIMENSIONS

100 x 60 x 220 cm (width x depth x height)

CODE

MK983503N	Dividers for 100 sealant cartridge shelf unit (1x)
MK692110	Artwork for 100 sealant cartridge shelf unit (1x)
MK983508	Crowner for 100 sealant cartridge shelf unit (1x)
MK841810	Information board (1x)
MK983501	Shelf unit for 100 sealant cartridges (1x)
MK983502	Upright for shelf unit (2x)

(1x): 1 unit to be ordered
(2x): 2 units to be ordered

MINI shelf display unit

USE

Holds over 300 sealant and chemical anchor cartridges.

DIMENSIONS

67 x 40 x 220 cm (width x depth x height)

CODE

MK983505N	Dividers for 66 sealant cartridge shelf unit (1x)
MK658210	Artwork for 66 sealant cartridge shelf unit (1x)
MK983507	Crowner for 66 sealant cartridge shelf unit (1x)
MK841810	Information board (1x)
MK983504	Shelf unit for 66 sealant cartridges (1x)
MK983502	Upright for shelf unit (2x)

(1x): 1 unit to be ordered
(2x): 2 units to be ordered

Mapefix perforated metallic sleeves

For Mapefix range in perforated substrates

USE

Round micro-perforated steel bars fixed into both perforated and hollow, not compact substrates before filling holes for the bars with **Mapefix** chemical resin anchor. May be cut to size according to the length required.

CODE

3587750 Ø 12 x 1000 mm
3587850 Ø 16 x 1000 mm
3587925 Ø 20 x 1000 mm

PACKAGING

Bags of 50 mesh sleeves:
Ø 12 x 1000 mm
Bags of 50 mesh sleeves:
Ø 16 x 1000 mm
Bags of 25 mesh sleeves:
Ø 20 x 1000 mm

Mapefix perforated plastic sleeves

For Mapefix range in perforated substrates

USE

Micro-perforated, plastic cylindrical sleeves used in combination with **Mapefix** chemical anchors in perforated substrates such as brick and concrete block masonry. Insert in holes drilled in the substrate before extruding **Mapefix** resin and inserting metal bars.

CODE

3588110 Ø 12 x 80 mm
3588210 Ø 15 x 85 mm
3588310 Ø 20 x 85 mm

PACKAGING

Bags of 10 mesh sleeves:
Ø 12 x 80 mm
Bags of 10 mesh sleeves:
Ø 15 x 85 mm
Bags of 10 mesh sleeves:
Ø 20 x 85 mm

Mapefix EP Mixers

Epoxy resin-based spare static mixers for Mapefix

USE

Plastic mixer units with internal spiral element with 18 loops and cylindrical extension, used to mix and extrude epoxy resin chemical anchors when the standard static mixers supplied with the cartridge are not suitable for a particular site application.

CODE

1961412

PACKAGING

Bags of 12 mixers + 12 cylindrical extensions

Mapefix PE+VE Mixers

Polyester and vinyl ester-based spare static mixers for Mapefix

USE

Plastic conical mixer units with internal spiral element with 10 loops used to mix and extrude polyester resin and vinyl ester resin chemical anchors when the standard static mixers supplied with the cartridge are not suitable for a particular site application.

CODE

1961112

PACKAGING

Bags of 12 mixers

550 and 600 ml gun nozzles for soft cartridges

Extrusion nozzles for soft cartridges in addition to nozzles already supplied with Mapei sealants

USE

For extrusion of soft cartridges in combination with **Mapei Gun 600 PRO** and **Mapei Gun 600 PRO Electric** guns.

CODE

797502

PACKAGING

10 pcs

Mapeflex SPP

Battery peristaltic pump

USE

Electric pump for extrusion of self-levelling sealants in horizontal joints.

BENEFITS

- High yield
- Easy to use, reliable, affordable price
- Operating autonomy, does not need connection to external energy sources

CHARACTERISTICS

- 115 W electric engine
- 12V, 12 Ah battery
- Hopper capacity 15 litres
- Maximum output 6 litres/minute
- Maximum pressure 10 bar
- Weight 16 kg

Mapefoam

DESCRIPTION

Circular cord for pre-filling building joints

Pre-formed, closed-cell, foam polyethylene cord to gauge the correct depth for elastomeric sealants used for filling expansion, fillet and separation joints, cracks and slits to avoid the sealant sticking to the bottom of the joint.

APPLICATION

Use a cord 20-30% larger than the average width of the joint to be sealed, press it into the joint by hand to set it at a suitable height to form the required section to be sealed.

BENEFITS

- Pre-formed cord which is easy to compress, adaptable to different joint sizes
- Non-stick for all sealants
- Closed-cell foam product to impede water absorption
- Does not rot even in damp environments
- Excellent dimensional stability and good chemical resistance

CHARACTERISTICS AND PACKAGING

- **Density:** 40 kg/m³
- **Diameters:**
  Ø 6 mm, 550 m rolls
  Ø 6 mm, 12x10 m bags
  Ø 10 mm, 550 m rolls
  Ø 10 mm, 12x10 m bags
  Ø 15 mm, 550 m rolls
  Ø 15 mm, 12x10 m bags
  Ø 20 mm, 350 m rolls
  Ø 20 mm, 12x10 m bags
  Ø 25 mm, 200 m rolls
  Ø 30 mm, 160 m rolls
  Ø 40 mm, 2 m bars, 270 m boxes

Mapei Gun 310

Pro-grade manual extrusion gun for cartridges up to 310 ml

USE

Extruding sealants, included high viscosity sealants. Also ideal for chemical bolts in 300 ml packages.

BENEFITS

- Robust structure for a long service life
- Low weight

CODE

7948101

PACKAGING

1 pc

Mapei Gun 310 PRO

Pro-grade manual extrusion gun for cartridges and soft-cartridges up to 310 ml

USE

Gun for cartridges and soft-cartridges* up to 310 ml. Easy extrusion of low-viscosity (silicon and acrylic) and high viscosity (polyurethane, bitumen and butyl) sealants. Also ideal for chemical anchors in 300 ml packages, extruted at low temperatures.

** Use the specific gasket for application*

BENEFITS

- High gear ratio for effortless extrusion
- Robust structure for a long service life
- Lightweight with an ergonomic grip
- Wear-compensation mechanism

CODE

7948201

PACKAGING

1 pc

Mapei Gun 420 2K

Pro-grade manual extrusion gun for Mapefix 400 and 420 ml

USE

Effortless extrusion of chemical anchors contained in co-axial cartridges up to 420 ml at 10:1 mixing ratio. Also suitable for use at low temperatures.

BENEFITS

- High gear ratio for easy, effortless extrusion
- Robust structure for a long service life

CODE

7948301

PACKAGING

1 pc

Mapei Gun 420 ELECTRIC M

Pro-grade battery extrusion gun for 400 and 420 ml cartridges

USE

Effortless extrusion of two-component resin chemical anchors contained in co-axial cartridges up to 420 ml, with 10:1 mixing ratio. Also suitable for use at low temperatures.

BENEFITS

- Electric engine for extended, effortless extrusion
- Memory function of automatic extrusion of a pre-programmed amount of resin
- 18 V, 2 Ah battery
- Battery fully charged in 60 minutes
- Weight 3.3 kg
- Maximum output 2.75 kN
- Anti-drip mechanism

CODE

7949901

PACKAGING

1 pc

Mapei Gun 585 2K

Pro-grade manual extrusion gun for Mapefix EP 385, 470 and 585 ml

USE

Effortless extrusion of chemical anchors contained in bi-axial cartridges with a mixing ratio of 3:1 and 2:1, also suitable for use at low temperatures.

BENEFITS

- High gear ratio for easy, effortless extrusion
- Robust structure for a long service life
- May be used for 3 different types of bi-axial cartridge

CODE

7948401

PACKAGING

1 pc

Mapei Gun 585 AIR

Pro-grade pneumatic extrusion gun for 385 and 585 ml cartridges

USE

extrusion of two-component resin-based chemical anchors contained in bi-axial cartridges up to 585 ml, with a mixing ratio of 3:1, also suitable for use at low temperatures.

BENEFITS

- Pneumatic engine for an extended and effortless use
- Maximum pressure 8 bar
- Air supply required 40 litres/minute
- weight 3 kg
- Maximum output 4 kN

CODE

7949801

PACKAGING

1 pc

Mapei Gun 585 Electric M

Pro-grade battery extrusion gun for 385 and 585 ml catridges

USE

Extrusion of two-component resin chemical anchors contained in co-axial cartridges up to 585 ml, with 3:1 mixing ratio. Also suitable for use at low temperatures.

BENEFITS

- Electric engine for extended, effortless extrusion
- Memory function for automatic extrusion of a pre-programmed amount of resin
- 18 V, 2 Ah battery
- Battery fully charged in 60 minutes
- Weight 3.3 kg
- Maximum load 2.8 kN
- Anti-drip mechanism

CODE

7949401

PACKAGING

1 pc

Mapei Gun 600 PRO

Pro-grade manual extrusion barrel for 550 and 600 ml soft-cartridges

USE

Easy extrusion of low-viscosity (silicon and acrylic) and high viscosity (polyurethane, bitumen and butyl) sealants in 550 and 600 ml soft-cartridges, also suitable for use at low temperatures.

BENEFITS

- High gear ratio for feffortless extrusion
- Robust structure for a long service life
- Low weight with an ergonomic grip
- Wear-compensation mechanism

CODE

7948501

PACKAGING

1 pc

Mapei Gun 600 PRO Electric

Pro-grade battery extrusion gun for 550 and 600 ml soft-cartridges

USE

Extrusion of low-viscosity (silicon and acrylic) and high viscosity (polyurethane, bitumen and butyl) sealants in soft-cartridges up to 600 ml. Also suitable for use at low temperatures. Also suitable for cartridges up to 310 ml.

BENEFITS

- Electric engine for extended, effortless extrusion
- 10.8 V, 1.5 Ah battery
- Battery fully charged in 30 minutes
- Weight 1.9 kg
- Maximum output 2.5 kN
- Anti-drip mechanism

CODE

7947201

PACKAGING

1 pc

Mapei Gun 825 2K

Pro-grade manual extrusion gun for Mapefix 825 ml

USE

Effortless extrusion of chemical anchors contained in co-axial 825 ml cartridges. Also suitable for use at low temperatures

BENEFITS

- High gear ratio for effortless extrusion
- Robust structure for a long service life

CODE

7948601

PACKAGING

1 pc

MapePUR Cleaner

DESCRIPTION

Cleaning solution for polyhurethane foam

To remove polyurethane foam before it hardens from tools, packaging and clothes.

APPLICATION

Shake the can for at least 10 seconds, remove the cap, attach the cylindrical nozzle to the can and clean all the dirty areas.
Screw the can to the threaded collar of a **MapePUR Gun Standard** to clean the internal circuit after use.

BENEFITS

- May be used for manual spray application
- CFC free
- Ready to use
- Long storage time

CHARACTERISTICS

- **Application temperature**: +5°C
- **Storage**: 24 months

COLOUR

transparent

PACKAGING

Cans: 12 x 500 ml

MapePUR Dispenser M

Spare nozzle for hand-held polyhurethane foam spray cans

USE

Spare nozzles for hand-held cans of foam.

BENEFITS

- Ergonomic hand-grip
- Re-sealable nozzle

CODE

7949301

PACKAGING

12 pc

MapePUR Easy Spray

Accessory for hand-held foam polyhurethane spray cans

USE

Ergonomic grip for polyurethane manual foam cans.

BENEFITS

- Easy use even in narrow areas
- Light and robust
- Allows better control of the foam during spraying

CODE

7949201

PACKAGING

5 pc

MapePUR Gun Special

Pro-grade extrusion gun for polyurethane foam

USE

Effortless and precise extrusion of polyurethane foam. Teflon-coated internal components with tighter tolerances to guarantee a better seal between gun and can. Clean with **MapePUR Cleaner** immediately after use.

BENEFITS

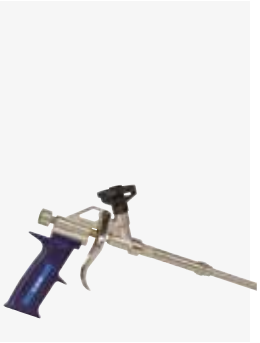
- Metal body
- Teflon-coated internal components with tighter tolerances
- Lightweight
- Extended duration of the can mounted on gun
- Control of the foam during spraying

CODE

7949601

PACKAGING

1 pc



MapePUR Gun Standard

Extrusion gun for polyhurethane foam

USE

Effortless and precise extrusion of polyurethane foam. Clean with **MapePUR Cleaner** immediately after use.

BENEFITS

- Metal body
- Lightweight
- Constant mix feed
- Control of the foam during spraying

CODE

7949101

PACKAGING

1 pc

Selection chart

		ACETIC SILICONE SEALANTS				NEUTRAL SILICONE SEALANTS			ACRYLIC AND			
		Mapesil U	Mapesil Z Plus	Mapesil AC	Mapesil 300°C	Mapesil BM	Mapesil LM	Mapesil GP	Mapeflex AC4	Mapeflex AC3	Mapeflex AC P	Mapeflex AC-FR 2
SEALING	shutter boxes and fittings					♻	♻	♻	♻	♻	♻	
	glass and fittings	♻	♻	♻			♻	♻				
	sanitary fittings, bathrooms, kitchens	♻	♻	♻			♻	♻				
	tiles and skirting	♻	♻	♻			♻	♻				
	stone coverings						♻					
	joints for pedestrian floors			♻			♻					
	joints for vehicular floors											
	cracks and slits							♻	♻	♻	♻	
	structural, contraction and fillet joints					♻	♻	♻				
	sterile environments, food, drinking water											
	production areas											
	paintable sealants								♻	♻	♻	♻
	fittings and wall openings					♻	♻	♻	♻	♻		
	glass and fittings	♻	♻	♻			♻	♻				
	fire-break, refractory, high temperature joints				♻							♻
	joints on façades						♻	♻	♻		♻	
	metalwork, roofs, coverings					♻		♻				
	seals between different materials	♻	♻	♻		♻	♻	♻	♻	♻	♻	♻
	cracks and slits					♻	♻	♻	♻	♻	♻	
	swimming pools and damp environments			♻			♻					
	balconies, terraces, flat roofs	♻	♻	♻				♻				
	car parks, airports, squares											
	road joints											
	canals, basins, hydraulic works											
	storage tanks, sewage plants											
	paintable sealants								♻	♻	♻	♻
BONDING	skirtings, board coverings, wire casing, decorative elements											
	tiles, thresholds, skirtings											
	bathroom elements, worktops											
	plaques and signs											
	window sills, parapets											
	isolating sheets											
	wooden panels and coverings											
	PVC pipes with no internal pressure											
	PVC pipes with no external pressure											
	high-resistance bondings											
	ultra-fast bondings											
	roof tiles											

♻ ideal application ♻ possible application

	BITUMEN SEALANTS			POLYURETHANE AND EPOXY-POLYURETHANE SEALANTS													HYBRID SEALANTS				PVC	
	Mapeflex Firestop 1200°C	Mapeflex Blackfill	Ultrabond Super Grip	Mapeflex PU 35 CR	Mapeflex PU 40	Mapeflex PU S15	Mapeflex PU 45 FT	Mapeflex PU 50 SL	Mapeflex PU 70 SL	Mapeflex PU 70 NS	Mapeflex PU 65	Mapeflex E-PU 21 SL	Mapeflex E-PU 30 NS	Ultrabond PU Strong	Mapepur Multi Adhesive Foam G	Mapepur Roof Foam G e M	Mapeflex MS 45	Mapeflex MS Crystal	Ultrabond MS Rapid	Mapeflex MS 40	Adesilex PVC	Adesilex PVC HP
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ANALYTICAL INDEX

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EVERYTHING'S **OK** WITH **MAPEI**

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