

# GREAT THINGS COME IN SMALL PACKAGES

ELASTIC SEALANTS AND ADHESIVES,  
POLYURETHANE FOAMS  
AND CHEMICAL ANCHORS

SEALING



BONDING



FIXING



FILLING



**MAPEI**

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## SEALANTS

Acrylic and bitumen sealants  
Hybrid sealants  
Polyurethane and epoxy-polyurethane sealants  
Acetic silicone sealants  
Neutral silicone sealants



## ADHESIVES

Hybrid adhesives  
Polyurethane adhesives  
Acrylic adhesives  
PVC adhesives



## CHEMICAL ANCHORS

Polyester resins  
Vinylester resins  
Epoxy resins



## POLYURETHANE FOAMS

Multi-purpose  
For roofs  
Fire-proof (o Fire resistant)  
Adhesive



## PRIMERS, ACCESSORIES AND TOOLS FOR SEALANTS, CHEMICAL ANCHORS AND POLYURETHANE FOAMS

## SEALING

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# Sealants

## Elastic seals

Constructions are made from materials of various nature, such as concrete, bricks, mortar, wood, glass, plastic, etc., and each material is characterised by rates of expansion and contraction that can sometimes differ quite significantly. In order to allow building materials to deform when exposed to temperature variations and humidity, or if subject to deformation when under load, it is necessary to include breaks during the design stage: joints. To prevent ingress of water, dust, heat, cold and noise, the joints must be sealed with suitable material with a plastic behaviour that is also compatible with the different types of material and other service conditions (mechanical, chemical and thermal). This is why Mapei has developed an extensive range of sealants made from various types of polymer, each one characterised by specific performance characteristics in terms of elasticity and resistance to stresses and loads, with the aim of supplying attractive, durable solutions for sealing joints in the building industry.



SEALING

## ■ Mapeflex AC2

### DESCRIPTION

#### Paintable acrylic sealant

Sealing fillet joints 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/height ratio. For high stresses, impregnate the edges of the joint with a primer made from **Mapeflex AC2** dissolved in water. Do not apply the product if it is about to rain, it is no suitable for wet joints.



### BENEFITS

- **Paintable**
- Easy to apply
- Water-based, no solvent

### CHARACTERISTICS

- **Consumption:** 3,1 meters per 310 ml cartridge (10x10 mm section)
- **Skin formation time:** 10 min. (+23°C, 50% UR)
- **Movement in service:** 10%
- **Shore A hardness:** 25
- **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  
Mapei Gun 310 Electric

### COLOUR

white



grey



### CERTIFICATIONS



# 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.

**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/height ratio. For high stresses, impregnate the edges of the joint with a primer made from **Mapectex AC4** dissolved in water. Do not apply the product if it is about to rain, it is not suitable for wet joints.

## BENEFITS

- **Paintable**
- Easy to apply
- Water-based, no solvents
- Compatible with damp substrates
- **Flexible**

## CHARACTERISTICS

- **Consumption:** 3.1 meters per 310 ml cartridge (10x10 mm section); 5.5 meters per 550 ml soft-cartridge (10x10 mm section)
- **Skin formation time:** 10 min. (+23°C, 50% RH)
- **Movement in service:** 12,5%
- **Modulus of elasticity:** 0.20 N/mm<sup>2</sup> (at 50% elongation)
- **Shore A hardness:** 10
- **Storage:** 24 months at +5°C/+25°C

## COLOUR

white



grey



## CERTIFICATIONS



## PACKAGING

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

## WORKING TOOLS

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric  
Mapei Gun 600 PRO  
Mapei Gun 600 PRO Electric



# Mapectex AC-FR

## DESCRIPTION Acrylic paintable sealant for fire-break joints, certified EN 13501-2

Sealing internal and external expansion joints subject to small movements in civil and industrial buildings subject to the risk of fire. Particularly ideal for perimeter sealing of fire doors, compartmentation and the isolation of deposits of flammable substances, boiler rooms, electrical substations, technical volumes, galleries, public places and community facilities like hotels, schools, hospitals, restaurants.

**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/height ratio. For high stresses, impregnate the edges of the joint with a primer made from **Mapectex AC-FR** dissolved in 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 212 minutes**
- No surface protection required
- Water, air and dust-tight seal at normal temperatures
- Blocks the passage of flames, smoke and heat in the case of fire
- Paintable

## CHARACTERISTICS

- **Consumption:** 5.5 meters per 550 ml soft-cartridge (10x10 mm section)
- **Skin formation time:** 10 min. (+23°C, 50% RH)
- **Allowed maximum movement in operation:** 12,5%
- **Modulus of elasticity:** 0.12 N/mm<sup>2</sup> (at 50% elongation)
- **Shore A hardness:** 25
- **Storage:** 12 months at +5°C/+25°C

## COLOUR

grey



## CERTIFICATIONS



EN 1366-4

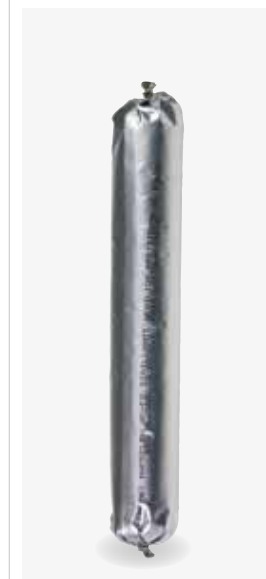


## PACKAGING

**Soft-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 and medium 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/height ratio. For high stresses, impregnate the edges of the joint with a primer made from **Mapeflex AC-P** dissolved in 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
- Easy to apply
- Water-based, no solvents
- Compatible with damp substrates

## CHARACTERISTICS

- **Consumption:** 3.1 meters per 310 ml cartridge (10x10 mm section)
- **Skin formation time:** 15 min. (+23°C, 50% RH)
- **Allowed maximum movement in operation:** 12,5%
- **Modulus of elasticity:** 0.11 N/mm<sup>2</sup> (at 50% elongation)
- **Shore A hardness:** 15
- **Storage:** 24 months at +5°C/+25°C

## COLOUR

white



## CERTIFICATIONS



## PACKAGING

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

## WORKING TOOLS

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric



# ■ 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:** 3.0 meters per 300 ml cartridge (10x10 mm section)
- **Skin formation time:** 10 min.
- **Elongation at failure:** 65%
- **Storage:** 18 months at +5°C/+25°C

## PACKAGING

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

## WORKING TOOLS

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric

## COLOUR

black



# ■ 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 while they are still fresh. When the brick has been pressed down, 100% of the bonding surface must be buttered. Remove any excess product immediately after laying the brick. 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.

## BENEFITS

- Resistant up to 1200°C
- For new manufactured elements and maintenance work on old manufactured elements
- Available in grey
- Rapid drying
- Odourless

## CHARACTERISTICS

- **Consumption:** 3.0 meters per 300 ml cartridge (10x10 mm section)
- **Skin formation time:** 6 min. (+23°C, 50% RH)
- **Final hardening time:** : 4 mm/24 h
- **Storage:** 12 months at +5°C/+25°C

## COLOUR

grey



## PACKAGING

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

## WORKING TOOLS

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 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 without having to use sealant with a similar colour.

## APPLICATION

**When used as sealant.** Remove all loose material from the surfaces to be sealed. Apply **Primer FD** for heavy stresses when in service; apply **Primer P** on plastics. Place masking tape along the edges of the joint to form a neater seal. For fillet joints, extrude the sealant, smooth over the surface and immediately remove the masking tape. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord along the bottom of the joint to set the correct width/height ratio.

**When used as elastic adhesive.** Clean and de-grease 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.

## 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 meters per 300 ml cartridge (10x10 mm section)
- **Skin formation time:** 35 min.
- **Movement in service:** 20%
- **Modulus of elasticity:** 0,80 N/mm<sup>2</sup>
- **Shore A hardness:** 35
- **Storage:** 18 months

## COLOUR

crystal clear



## CERTIFICATIONS



## PACKAGING

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

## WORKING TOOLS

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric



# Mapeflex MS45

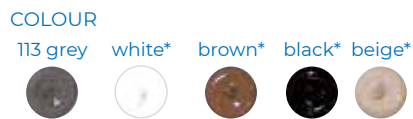
**DESCRIPTION** Hybrid sealant and adhesive with a high modulus of elasticity

For flexible seals in internal and external expansion joints and for sealing joints in civil and industrial floors. Flexible bonding of building elements as an alternative to lightweight mechanical fasteners. Compatible with all absorbent mineral substrates, metal surfaces, painted surfaces, wood, brickwork, stone and many plastics. Paintable when completely hardened.

**APPLICATION** **When used as sealant.** Remove all loose parts from the surfaces to be sealed. Use **Primer FD** for high stresses when in service, use **Primer P** on plastics. Use masking tape along the sides of the joint to get a better edge along the seal. For fillet joints, extrude and smooth over the surface of 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/height ratio. **When used as flexible adhesive.** Clean and de-grease 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 on the packaging
  - Solvent-free, odourless
  - Compatible with damp environments

- CHARACTERISTICS**
- **Consumption:** 3.0 meters per 300 ml cartridge (10x10 mm section)
  - **Skin formation time:** 45 min.
  - **Movement in service:** 20%
  - **Modulus of elasticity:** 0,66 N/mm<sup>2</sup>
  - **Shore A hardness:** 43
  - **Storage:** 15 months at 5°C/+25°C



\*Available in 300 ml cartridges only

**CERTIFICATIONS**



**PACKAGING**

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

**WORKING TOOLS**

Mapei Gun 310  
 Mapei Gun 310 PRO  
 Mapei Gun 310 Electric  
 Mapei Gun 600 PRO  
 Mapei Gun 600 PRO Electric



# Mapeflex PB25

**DESCRIPTION** Two-component thixotropic polyurethane sealant with a low modulus of elasticity

Sealant for expansion and shrinkage joints in surfaces subject to possible contact with hydro-carbons, such as runways, courtyards, safety basins, garages, car-parks, service stations, hangars, roads, access ramps and industrial plant equipment. Also suitable for sealing basins, storage tanks and canals in permanent contact with water. Bonds to concrete after applying **Primer PU60**.

**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/height 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 together, pour the sealant into the joint, smooth over the surface and immediately remove the masking tape.

**BENEFITS**

- Low modulus of elasticity to guarantee large deformations when under load
- High resistance to hydro-carbons derived chemicals
- Thixotropic consistency for application on vertical surfaces
- Pre-dosed two-component products

**CHARACTERISTICS**

- **Consumption:** 0.14 kg/metre (10x10 mm section)
- **Workability after mixing:** 30 min. (+23°C, 50% RH)
- **Set to traffic:** 24 hours
- **Movement in service:** 25%
- **Modulus of elasticity:** 0,30 N/mm<sup>2</sup>
- **Shore A hardness:** 20
- **Storage:** 24 months at +5°C/+25°C

**COLOUR**      black



**PACKAGING**

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



# Mapeflex PU20

**DESCRIPTION** Two-component high flow epoxy-polyurethane sealant, high strength and chemical resistance

Sealing internal and external joints subject to small to medium movements when in service and high mechanical stress and chemical aggression, including in combination. Sealant with a high modulus of elasticity and high surface hardness, ideal for floors in car-parks, garages, courtyards, commercial areas, warehouses, storage areas and production areas. It bonds well to concrete, ceramic, wood and metal after applying a coat of **Primer EP** or **Primer MF**.

**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/height 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 together, pour the sealant into the joint, smooth over the surface and immediately remove the masking tape.

- BENEFITS**
- High strength resistance
  - High chemical resistance
  - High flow, quick and easy application on floors
  - Pre-dosed two-component products
  - Paintable
  - It can be sanded down

- CHARACTERISTICS**
- **Consumption:** 0.14 kg/metre (10x10 mm section)
  - **Workability after mixing:** 45 min. (+23°C, 50% RH)
  - **Set to traffic:** 24-36 h
  - **Movement in service:** 10%
  - **Shore A hardness:** 50
  - **Storage:** 24 months at +5°C/+25°C

**COLOUR** 113 grey



**PACKAGING**

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



# Mapeflex PU21

**DESCRIPTION** Two-component high flow epoxy-polyurethane sealant, high strength resistance

Sealing internal and external joints subject to small movements when in service and high mechanical stress and intense vehicle traffic. Sealant with a high modulus of elasticity and high surface hardness, ideal for internal joints subject to the frequent passage of low-speed heavy-goods vehicles, such as covered car-parks, supermarkets, commercial areas, warehouses, storage areas and production areas. Also suitable for making shells on floor/wall fillet joints. It bonds well to concrete, ceramic, wood and metal after applying a coat of **Primer EP** or **Primer MF**.

**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/height 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 together, pour the sealant into the joint, smooth over the surface and immediately remove the masking tape.

- BENEFITS**
- High strength resistance
  - Good chemical resistance
  - High flow, quick and easy application on floors
  - Pre-dosed two-component products
  - Paintable
  - It can be sanded down

- CHARACTERISTICS**
- **Consumption:** 0.15 kg/metre (10x10 mm section)
  - **Workability after mixing:** 45 min. (+23°C, 50% RH)
  - **Set to traffic:** 24-36 hours
  - **Movement in service:** 5%
  - **Shore A hardness:** 65
  - **Storage:** 24 months at +5°C/+25°C

**COLOUR** 113 grey



**PACKAGING**

**Drums: 5 kg and 10 kg (A+B)**  
Please refer to *Technical Data Sheet* before use.





# Mapeflex PU30

**DESCRIPTION** **Two-component thixotropic epoxy-polyurethane sealant, high strength and chemical resistance**

Sealing internal and external joints subject to small to medium movements when in service and high mechanical stress and chemical aggression, including in combination. Sealant with a high modulus of elasticity and high surface hardness, ideal for vertical and horizontal joints in car-parks, garages, courtyards, commercial areas, warehouses, storage areas and production areas. It bonds well to concrete, ceramic, wood and metal after applying a coat of **Primer EP** or **Primer MF**.

**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/height 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 together, fill the joint with sealant using a trowel, smooth over the surface and immediately remove the masking tape.

- BENEFITS**
- High strength resistance
  - High chemical resistance
  - Thixotropic consistency for application on vertical surfaces
  - Pre-dosed two-component products
  - Paintable
  - It can be sanded down

- CHARACTERISTICS**
- **Consumption:** 0.15 kg/metre (10x10 mm section)
  - **Workability after mixing:** 35 min. (+23°C, 50% RH)
  - **Set to traffic:** 24-36 hours
  - **Movement in service:** 10%
  - **Shore A hardness:** 65
  - **Storage:** 24 months at +5°C/+25°C

**COLOUR** 113 grey



**CERTIFICATIONS**



**PACKAGING**

**Drums: 5 kg and 10 kg (A+B)**  
Please refer to *Technical Data Sheet* before use.



# Mapeflex PU35 CR

**DESCRIPTION** **One-component elastic polyurethane sealant resistant to chemicals, also suitable for cleanrooms**

Sealing joints in industrial environments where there could be a combination of mechanical stress and the presence of chemicals. Ideal for sterile rooms and cleanrooms. 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 the joint to gauge the correct width/height 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 together, fill the joint with sealant using a trowel, smooth over the surface and immediately remove the masking tape.

**BENEFITS**

- High modulus of elasticity with high deformability
- Thixotropic consistency for application on vertical surfaces
- **High chemical resistance**
- Very low certified environmental emission
- Paintable

**CHARACTERISTICS**

- **Consumption:** 6.0 meters per 600 ml cartridge (10x10 section)
- **Skin formation time:** 90 min
- **Movement in service:** 20% (without primer), 25% (with **Primer A** or **Primer M**),
- **Modulus of elasticity:** 0,8 N/mm<sup>2</sup>
- **Shore A hardness:** 36
- **Storage:** 12 months

**COLOUR** 113 grey



**CERTIFICATIONS**



EN 14187-4  
EN 14187-6



**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**



# Mapeflex PU40

**DESCRIPTION** Polyurethane sealant with a low modulus of elasticity

Sealing flexible expansion and fillet joints on pre-fabricated buildings, traditional and ventilated façades and cracks. 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/height 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 meters per 300 ml cartridge; 6.0 meters 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/mm<sup>2</sup>
  - **Modulus of elasticity at -30°C:** 0,31 N/mm<sup>2</sup>
  - **Shore A hardness:** 27
  - **Storage:** 12 months at +5°C/+25°C



**PACKAGING**

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

**WORKING TOOLS**

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric  
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, sealing civil and industrial floor joints and flexible bonding of construction features instead of using screws, nails and lightweight fittings. Compatible with all absorbent mineral substrates, metal surfaces, painted surfaces, wood, brickwork and glass. It can be painted over after complete polymerisation.

**APPLICATION** **When used as sealant.** Remove all loose parts from the surfaces to be sealed. Use **Primer M** or **Primer A** for high stresses when in service. Use **Primer P** on plastics. 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/height ratio. **When used as flexible adhesive.** Clean and de-grease 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 meters per 300 ml cartridge, 6.0 meters per 600 ml soft-cartridge (10x10 mm section)
  - **Skin formation time:** 90' (+23°C, 50% RH)
  - **Movement in service:** 20%
  - **Modulus of elasticity:** 0,80 N/mm<sup>2</sup>
  - **Shore A hardness:** 38
  - **Storage:** 12 months at +5°C/+25°C



\*Available in 300 ml cartridges only

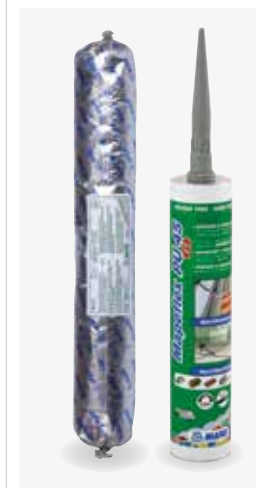


**PACKAGING**

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

**WORKING TOOLS**

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric  
Mapei Gun 600 PRO  
Mapei Gun 600 PRO Electric



# Mapeflex PU50 SL

## DESCRIPTION

**High 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/height 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 smooth over the surface and immediately remove the masking tape.

## BENEFITS

- **High 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 meters per 600 ml cartridge (10x10 mm section)
- **Skin formation time:** 2 hours (+23°C, 50% RH)
- **Movement in service:** 25%
- **Modulus of elasticity:** 0,25 N/mm<sup>2</sup>
- **Shore A hardness:** 22
- **Storage:** 12 months at +5°C/+25°C

## COLOUR

111 grey



## CERTIFICATIONS



## PACKAGING

**Soft-cartridges:** 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 PU65

## DESCRIPTION

**High modulus two-component polyurethane 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 PU60** 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 PU65 Catalyst** to accelerate setting/hardening.

## 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 min. (+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



## PACKAGING

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





# ■ Mapeflex PU70 SL

**DESCRIPTION** **Two-component, freeflowing elastic polyurethane sealant resistant to hydrocarbons, with a low modulus of elasticity**

Sealant for expansion and shrinkage 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**.

**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/height 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 smooth over the surface and immediately remove the masking tape.



- BENEFITS**
- High flow
  - Low modulus of elasticity
  - **Certified for use in airports**
  - High resistance to hydro-carbons
  - Rapid

- CHARACTERISTICS**
- **Consumption:** 0.15 kg/metre (10x10 mm section)
  - **Workability after mixing:** 45 min.
  - **Set to traffic:** 24 hours
  - **Movement in service:** 25%
  - **Modulus of elasticity:** 0,3 N/mm<sup>2</sup>
  - **Shore A hardness:** 18
  - **Storage:** 12 months

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



**COLOUR** **black**



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

# ■ 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.

**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 better edge along the seal. For fillet joints, extrude and smooth over the surface of 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/height ratio. 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. Mapesil 300°C is not suitable for direct contact with flames: in such cases, use **Mapeflex Firestop 1200°C** or **Mapeflex AC-FR**.



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

**WORKING TOOLS**  
**Mapei Gun 310**  
**Mapei Gun 310 PRO**  
**Mapei Gun 310 Electric**

- 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 meters per 300 ml cartridge (10x10 mm section)
  - **Skin formation time:** 6 min. (+23°C, 50% RH)
  - **Hardening time:** 4 mm/24 h
  - **Movement in service:** 20%
  - **Modulus of elasticity:** 0,60 N/mm<sup>2</sup>
  - **Shore A hardness:** 20
  - **Storage:** 18 months at +5°C/+25°C

**COLOUR** **black**



**CERTIFICATIONS** 





# 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/height ratio. Apply **Primer FD** on absorbent materials (wood, concrete), metal, plastic and rubber.

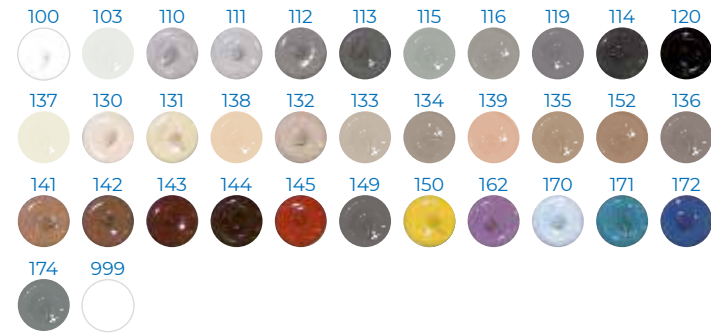
## BENEFITS

- 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 +100° C

## CHARACTERISTICS

- **Consumption:** 3.1 meters per 310 ml cartridge (10x10 mm section)
- **Skin formation time:** 10' (+23°C, 50% UR)
- **Movement in service:** 25%
- **Modulus of elasticity:** 0,35 N/mm<sup>2</sup>
- **Shore A hardness:** 20
- **Storage:** 24 months at +5°C/+25°C

## COLOUR 34 + transparent



## CERTIFICATIONS



## PACKAGING

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

## WORKING TOOLS

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric



# 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 general metallic structures, such as silos, containers, aeration channels and metallic coatings. Sealing and bonding metallic surfaces, such as copper, steel, zinc-plated sheet, pre-painted sheet and aluminium. Also perfectly compatible with building products, such as render, concrete, wood, bricks and glass. The product is also ideal for polycarbonate (transparent).

**APPLICATION** Carefully clean and de-grease 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 to press the bead of sealant while it is still fresh. Seal the overlap and the heads of the rivets with a layer of sealant several millimetres thick to guarantee the joint is perfectly water-tight. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord in the bottom of the joint to gauge the correct width/height 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 meters per 310 ml cartridge (10x10 mm section)
- **Skin formation time:** 15 min. (+23°C, 50% RH)
- **Movement in service:** 25%
- **Modulus of elasticity:** 0,35 N/mm<sup>2</sup>
- **Shore A hardness:** 25
- **Storage:** 12 months at +5°C/+25°C

**COLOUR** transparent grey copper dark brown

## CERTIFICATIONS



## PACKAGING

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

## WORKING TOOLS

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric



# Mapesil GP

**DESCRIPTION** Neutral mould-resistant silicone sealant for the building industry

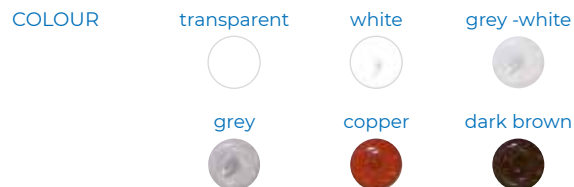
Elastic seals around construction features on roofs and façades such as sheet metal roofing, guttering and downpipes, sandwich panels, window and door fittings and façades exposed to wind and the surrounding weather conditions. Ideal also for fillet seals between different materials in damp environments 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 calibrate 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 curing, no unpleasant odours
  - **Compatible with most building materials\***
  - Mould-resistant

- CHARACTERISTICS**
- **Consumption:** 2.8 metres per 280 ml cartridge (10x10 mm section)
  - **Skin formation time:** 35 min
  - **Movement in service:** 20%
  - **Modulus of elasticity:** 0,37 N/mm<sup>2</sup>
  - **Shore A hardness:** 24
  - **Storage:** 18 months at +5°C/+25°C

\*for plastics, contact the MAPEI Technical Services Department



**CERTIFICATIONS**



**PACKAGING**

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

**WORKING TOOLS**

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric



# Mapesil LM

**DESCRIPTION** Neutral mould-resistant silicon sealant for 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/height 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
- Large range of colours available
- Neutral cross-linking, no unpleasant odour

**CHARACTERISTICS**

- **Consumption:** 3.1 metres per 310 ml cartridge (10x10 mm section)
- **Skin formation time:** 15 min. (+23°C, 50% RH)
- **Movement in service:** 25%
- **Modulus of elasticity:** 0,35 N/mm<sup>2</sup>
- **Shore A hardness:** 21
- **Storage:** 18 months at +5°C/+25°C

**COLOUR**



**CERTIFICATIONS**



**PACKAGING**

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

**WORKING TOOLS**

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric



# 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/height 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 meters per 280 ml cartridge (10x10 mm section)
- **Skin formation time:** 20 min. (+23°C, 50% RH)
- **Movement in service:** 20%
- **Modulus of elasticity:** 0,36 N/mm<sup>2</sup>
- **Shore A hardness:** 18
- **Storage:** 18 months

**PACKAGING**

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

**WORKING TOOLS**

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric

**COLOUR** transparent white



**CERTIFICATIONS**



# 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/height 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 meters per 280 ml cartridge (10x10 mm section)
- **Skin formation time:** 25 min (+23°C, 50% RH)
- **Movement in service:** 20%
- **Modulus of elasticity:** 0,36 N/mm<sup>2</sup>
- **Shore A hardness:** 18
- **Storage:** 18 months at +5°C/+25°C

**PACKAGING**

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

**WORKING TOOLS**

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric

**COLOUR** transparent white 111 grey



113 grey



130 jasmine



**CERTIFICATIONS**





# Mapetape

## DESCRIPTION Self-adhesive sealing tape

Cold-applied, self-adhesive bituminous tape sandwiched to a thin metal strip (pre-painted aluminium or bright copper) 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.



## BENEFITS

- Easy to apply, even around complicated shapes
- Immediate waterproofing after application
- Simple, no-nonsense application, 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 metres
- **In-service temperature range:** -20°/+80°C (-20°C/+65°C if applied on surfaces with a slope of more 45°)
- **Application temperature range:** +5°C/+45°C
- **Elongation at failure:** > 20% (copper finish > 10%)
- **Storage:** 24 months at +5°C/+30°C

## PACKAGING

Colour	Width of tape	Length of tape	N° of rolls per box	Metres per box
Aluminium	50 mm	10 m	n° 6	60 m
	100 mm		n° 3	30 m
	150 mm		n° 2	20 m
	200 mm		n° 3	30 m
Lead	50 mm	10 m	n° 6	60 m
	100 mm		n° 3	30 m
	150 mm		n° 2	20 m
	200 mm		n° 3	30 m
Copper	100 mm	10 m	n° 3	30 m
	150 mm		n° 2	20 m
	200 mm		n° 3	30 m

Please refer to Technical Data Sheet before use.



# Adhesives

## Joined forever

To join two or more building components together in a simple and durable manner, including materials of a different nature, the chemical bonding technique offers numerous advantages, whether it is a rigid joint or a deformable joint. Chemical bonds are very easy to execute, there is no need to drill holes, no mechanical fasteners are required, they are compatible with the most widely used materials, they can compensate for different degrees of flatness, they absorb differential movements, they bond and waterproof in a single operation, they improve stress distribution, they are more attractive, they are very quick to carry out and they remain highly effective over time.

Mapei adhesives are designed for bonding both finished features and structural elements, both internally and externally, and are available in different polymer formulations in order to satisfy all the most common bonding needs on site and during production.



BONDING



# Adesilex PVC

## DESCRIPTION

**Adhesive for bonding plastic pipes not under pressure**

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

## APPLICATION

The surfaces to be bonded must be dry and clean. Lightly sand the surfaces if necessary. The adhesive is easy to extrude 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

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

## CHARACTERISTICS

- **Storage:** 18 months at +5°/+25°C

## PACKAGING

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

## COLOUR

transparent



CERTIFICATIONS EN 14680



# Adesilex PVC HP

## DESCRIPTION

**Adhesive for welding high and low-pressure pipes**

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

## APPLICATION

The surfaces to be bonded must be dry and clean. Lightly sand the surfaces if necessary. The adhesive is easy to extrude 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

- 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°/+25°C

## PACKAGING

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

## COLOUR

red



CERTIFICATIONS EN 14680  
EN 14814



# 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 without having to use sealant with a similar colour.

**APPLICATION** **When used as sealant.** Remove all loose material from the surfaces to be sealed. Apply **Primer FD** for heavy stresses when in service; apply **Primer P** on plastics. Place masking tape along the edges of the joint to form a neater seal. For fillet joints, extrude the sealant, smooth over the surface and immediately remove the masking tape. For expansion joints, before extruding the sealant, insert **Mapefoam** foam filler cord along the bottom of the joint to set the correct width/height ratio.  
**When used as elastic adhesive.** Clean and de-grease 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.

## 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 meters per 300 ml cartridge (10x10 mm section)
- **Skin formation time:** 35 min.
- **Movement in service:** 20%
- **Modulus of elasticity:** 0,80 N/mm<sup>2</sup>
- **Shore A hardness:** 35
- **Storage:** 18 months

**COLOUR** crystal clear



**CERTIFICATIONS**



## PACKAGING

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

## WORKING TOOLS

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric



# Mapeflex MS45

**DESCRIPTION** Hybrid sealant and adhesive with a high modulus of elasticity

For flexible seals in internal and external expansion joints and for sealing joints in civil and industrial floors. Flexible bonding of building elements as an alternative to lightweight mechanical fasteners. Compatible with all absorbent mineral substrates, metal surfaces, painted surfaces, wood, brickwork, stone and many plastics. Paintable when completely hardened.

**APPLICATION** **When used as sealant.** Remove all loose parts from the surfaces to be sealed. Use **Primer FD** for high stresses when in service, use **Primer P** on plastics. Use masking tape along the sides of the joint to get a better edge along the seal. For fillet joints, extrude and smooth over the surface of 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/height ratio.  
**When used as flexible adhesive.** Clean and de-grease 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 on the packaging
- Solvent-free, odourless
- Compatible with damp environments

## CHARACTERISTICS

- **Consumption:** 3.0 meters per 300 ml cartridge (10x10 mm section)
- **Skin formation time:** 45 min.
- **Movement in service:** 20%
- **Modulus of elasticity:** 0,66 N/mm<sup>2</sup>
- **Shore A hardness:** 43
- **Storage:** 15 months at 5°C/+25°C

**COLOUR**

113 grey white\* brown\* black\* beige\*



\*Available in 300 ml cartridges only

**CERTIFICATIONS**



## PACKAGING

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

## WORKING TOOLS

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric  
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, sealing civil and industrial floor joints and flexible bonding of construction features instead of using screws, nails and lightweight fittings. Compatible with all absorbent mineral substrates, metal surfaces, painted surfaces, wood, brickwork and glass. It can be painted over after complete polymerisation.

**APPLICATION** **When used as sealant.** Remove all loose parts from the surfaces to be sealed. Use **Primer M** or **Primer A** for high stresses when in service. Use **Primer P** on plastics. 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/height ratio. **When used as flexible adhesive.** Clean and de-grease 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 meters per 300 ml cartridge, 6.0 meters per 600 ml soft-cartridge (10x10 mm section)
- **Skin formation time:** 90' (+23°C, 50% RH)
- **Movement in service:** 20%
- **Modulus of elasticity:** 0,80 N/mm<sup>2</sup>
- **Shore A hardness:** 38
- **Storage:** 12 months at +5°C/+25°C

**COLOUR**

white	111 grey	113 grey
black	beige*	brown*

\*Available in 300 ml cartridges only

**CERTIFICATIONS**



**PACKAGING**

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

**WORKING TOOLS**

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric  
Mapei Gun 600 PRO  
Mapei Gun 600 PRO Electric

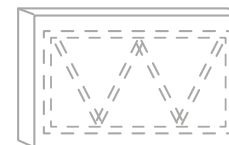


# MapePUR Multi Adhesive Foam G

**DESCRIPTION** **One-component polyurethane foam adhesive**

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 m<sup>2</sup> (EPS or XPS insulating panels)
- Contains no CFC

**CHARACTERISTICS**

- **Complete hardening:** 1,5 h
- **Finishing/trimming:** 15 min.
- **Tensile strength (in compliance with ETAG 004):** 8 N/cm<sup>2</sup>
- **Thermal conductivity:** 0,036 W/(m K)
- **Application temperature:** +5°C/+30°C
- **Reaction to fire:** class B2
- **Tensile strength:** 8,0 N/cm<sup>2</sup>
- **Storage:** 18 months

**COLOUR** straw yellow



**CERTIFICATIONS**



**PACKAGING**

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

**WORKING TOOLS**

MapePUR Gun Standard





# MapePUR Roof Foam G e M

## DESCRIPTION Polyurethane foam for roofs

Filling, sealing and bonding building components; widely 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 m<sup>2</sup> of roof tiles
- Precise feed, maximum yield and no waste (**MapePUR Roof Foam G**)

## CHARACTERISTICS

- **Volume:** up to 45 litres (free expansion)
- **Sanding:** 30 min.
- **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/mm<sup>2</sup>
- **Tensile strength:** 7,5 N/cm<sup>2</sup>
- **Adhesion to roof tiles:** 12,5 N/cm<sup>2</sup>
- **Storage:** 18 months

## PACKAGING

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

## WORKING TOOLS

**MapePUR Gun Standard**



## COLOUR

grey



## CERTIFICATIONS



# 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

\*for plastics, contact the MAPEI Technical Services Department

## CHARACTERISTICS

- **Consumption:** 5,0 meters per 300 ml cartridge (10x10 mm high triangular section)
- **Skin formation time:** 5 min.
- **Hardening time:** 2 hours
- **Initial tensile strength (sucker effect):** 25 N/12 cm<sup>2</sup>
- **Final tensile strength:** 30 kg/cm<sup>2</sup>
- **Storage:** 18 months at +5°C/+25°C

## PACKAGING

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

## WORKING TOOLS

**Mapei Gun 310**  
**Mapei Gun 310 PRO**  
**Mapei Gun 310 Electric**



## COLOUR

white



## CERTIFICATIONS





# ■ Ultrabond PU Strong

**DESCRIPTION** **Ultra-rapid assembly polyurethane rigid adhesive**

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 de-grease 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 min
- Adjustment time: 10 min
- Hardening time: 2 hours
- Application temperature: +5°C/+35°C
- Storage: 18 months

**PACKAGING**

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

**WORKING TOOLS**

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric

**COLOUR** beige



**CERTIFICATIONS**



# ■ 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 de-grease 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-cup 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 metres of 10 mm diameter bead, 15 metres of 5 mm diameter bead
- Skin formation time: 10-15 min. (+23°C, 50% RH)
- Hardening time: 24-48 hours (+23°C, 50% RH)
- Initial tensile strength (sucker effect): 17 N/12 cm<sup>2</sup>
- Final tensile strength: 32,5 kg/cm<sup>2</sup>
- 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  
Mapei Gun 310 Electric

**COLOUR** white



**CERTIFICATIONS**





# Chemical anchors

## Definitely anchored

From Mapei research, a complete range of chemical anchors with ETA certification and CE marking, for secure repeatable results.

Mapefix is a line of products specific for light, heavy, structural, static, dynamic and seismic loads and are suitable for a wide range of materials, such as concrete and masonry.

They are unique for their level of hold and reliability, offering extraordinary versatility: only a few products are required to meet the various needs encountered on site. Whatever your anchoring needs, Mapefix is the sure solution.



FIXING

# ■ Mapefix EP 385/EP 585

## DESCRIPTION Pure epoxy chemical anchor for structural loads

Two-component pure epoxy resin at a ratio of 3:1 contained in cartridges with two separate compartments and a static mixing nozzle. Certified for chemical anchors for threaded bar and rebar in rough or smooth (core drilled) holes in all types of building material such as concrete, wood and all types of masonry. 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
- Special zero-waste cartridges
- Very high mechanical strength
- For bars from M8 to M39 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



### PACKAGING

Cartridges: 12 x 385 ml  
Cartridges: 12 x 585 ml

### WORKING TOOLS

Mapei Gun 585 2K  
Mapei Gun 585 2K Electric



**CERTIFICATIONS** ETA option 1 for anchors in tension zones (M12-M30, Ø12-Ø32) 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-Ø25); fire resistant for anchors in fire risk areas



M10 ÷ M24  
Ø10 ÷ Ø25



M8 ÷ M30  
Ø10 ÷ Ø32



M12 ÷ M30  
Ø12 ÷ Ø32



M12 ÷ M30  
Ø12 ÷ Ø32



M12 ÷ M16



Ø8 ÷ Ø40



# Mapefix EP 470 Seismic

## DESCRIPTION Pure epoxy chemical anchor for structural loads

Two-component pure epoxy resin at a ratio of 2:1 contained in cartridges with two separate compartments and a static mixing nozzle. Certified for chemical anchors for threaded bar and rebar in rough or smooth (core drilled) holes in all types of building material such as concrete, wood and all types of masonry. 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
- Special zero-waste cartridges
- Very high mechanical strength
- For bars from M8 to M39 and for reinforcing steel from Ø8 to Ø40
- European certifications

### CHARACTERISTICS

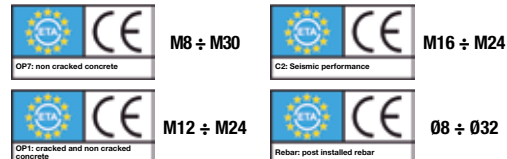
- **Application temperature:** +5°C/+40°C
- **Storage:** 24 months at +5°C/+25°C

**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 for anchors in seismic zones; ETA REBAR option for supplementary reinforcing bars in reinforced concrete (Ø8-Ø25); fire resistant for anchors in fire risk areas.



### PACKAGING

Cartridges: 12 x 470 ml

### WORKING TOOLS

Mapei Gun 585 2K  
Mapei Gun 585 2K Electric



# Mapefix PE SF

## DESCRIPTION Chemical anchor for heavy loads

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.

### 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
- For bars from M8 to M24
- European certifications

### CHARACTERISTICS

- **Application temperature:** -5°C/+35°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)



### PACKAGING

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

### WORKING TOOLS 300 ml

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric

### WORKING TOOLS 420 ml

Mapei Gun 420 2K  
Mapei Gun 420 2K Electric





# Mapefix PE Wall

## DESCRIPTION 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.

## BENEFITS

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

## CHARACTERISTICS

- **Application temperature:** 0°C/+35°C
- **Storage:** 12 months (300 ml), 18 months (380 ml) at +5°C/+25°C

COLOUR grey



## CERTIFICATIONS

ETAG 029 for anchors in masonries (M8 ÷ M12)



M8 ÷ M12



## PACKAGING

Cartridges: 12 x 300 ml  
Cartridges: 12 x 380 ml

## WORKING TOOLS 300 ml

Mapei Gun 310  
Mapei Gun 310 PRO  
Mapei Gun 310 Electric

## WORKING TOOLS 380 ml

Mapei Gun 420 2K  
Mapei Gun 420 2K Electric



# Mapefix VE SF

## DESCRIPTION Chemical vinylester anchor for structural loads

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.

## BENEFITS

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

## CHARACTERISTICS

- **Application temperature:** -10°C/+35°C
- **Storage:** 12 months (300 ml), 18 months (420 ml) 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 for anchors in seismic zones; ETA REBAR option for supplementary reinforcing bars in reinforced concrete (Ø8-Ø25); fire resistant for anchors in fire risk areas



M8 ÷ M30  
Ø8 ÷ Ø32



M8 ÷ M30  
Ø8 ÷ Ø32



M8 ÷ M30  
Ø8 ÷ Ø32



Ø8 ÷ Ø32



## 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  
Mapei Gun 310 Electric

## WORKING TOOLS 420 ml

Mapei Gun 420 2K  
Mapei Gun 420 2K Electric



# Foams

## For an impenetrable barrier

A complete range of multi-purpose polyurethane foams: for filling, sealing and insulating.

MapePUR is the Mapei line of self-expanding foams that form an impenetrable barrier, eliminating thermal bridges to improve living comfort.

They are supplied in handy, ready-to-use packs, they are easy to use and may be applied quickly without wasting material.

They have been designed for specific areas of use and come complete with certification to guarantee their reliability and sure results.



FILLING

# 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 and 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 min
- **Thermal conductivity:** 0,039 W/(m K)
- **Application temperature:** +5°C/+30°C
- **Reaction to fire:** class B2

## PACKAGING

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

## WORKING TOOLS

**MapePUR Gun Standard**

## COLOUR

straw yellow



## CERTIFICATIONS



# MapePUR Fire Foam M

## DESCRIPTION Fire-proof 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 min.
- **Thermal conductivity:** 0,039 W/(m K)
- **Application temperature:** +5°C/+30°C
- **Reaction to fire:** class B1
- **Storage:** 12 months

## PACKAGING

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

## WORKING TOOLS

MapePUR Gun Standard



## COLOUR

pink



## CERTIFICATIONS



# MapePUR Roof Foam G e M

## DESCRIPTION Polyurethane foam for roofs

Filling, sealing and bonding building components; widely 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

- CFC free
- **Low expansion rate**
- **Simple rapid use**
- Ready to use
- High tear strength
- For bonding 6-16 m<sup>2</sup> of roof tiles
- Precise feed, maximum yield and no waste (**MapePUR Roof Foam G**)

## CHARACTERISTICS

- **Volume:** up to 45 litres (free expansion)
- **Sanding:** 30 min.
- **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/mm<sup>2</sup>
- **Tensile strength:** 7,5 N/cm<sup>2</sup>
- **Adhesion to roof tiles:** 12,5 N/cm<sup>2</sup>
- **Storage:** 18 months

## PACKAGING

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

## WORKING TOOLS

MapePUR Gun Standard



## COLOUR

grey



## CERTIFICATIONS





# □ MapePUR Universal Foam G e 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 set.



## 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 min.
- **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

## PACKAGING

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

## WORKING TOOLS

**MapePUR Gun Standard**



**COLOUR** straw yellow



## CERTIFICATIONS



# □ MapePUR Winter Foam G e M

## DESCRIPTION Universal polyurethane foam suitable for cold climates

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; it may be used at temperatures as low as -10°C.

**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 set.



## BENEFITS

- **Application in areas at low temperatures such as refrigeration cells, air-conditioning systems and during the winter**
- **Insulating/soundproofing properties**
- Rapid-hardening
- Excellent adhesion (except on PE, PP and Teflon)
- Ready to use

## CHARACTERISTICS

- **Volume:** up to 45 litres (free expansion)
- **Sanding:** 25 min
- **Thermal conductivity:** 0,039 W/(m K) (**M** version) 0,036 W/(m K) (**G** version)
- **Application temperature:** -10°C/+25°C
- **Reaction to fire:** class B3
- **Storage:** 12 months

**COLOUR** straw yellow



## CERTIFICATIONS



## PACKAGING

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

## WORKING TOOLS

**MapePUR Gun Standard**





# Primers

## For perfect results

To help Mapei sealants adhere even more strongly a complete line of Primers has been created. Formulations that are easy to use, designed for various types of surface and according to the different types of sealant to be applied later. They improve the adherence, durability and efficiency of Mapei sealants: a winning combination for work with a high level of reliability.



PRIMERS

## Primer A

### Primer for absorbent surfaces

#### 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-mixed 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/metre of treated 1 cm-deep joint

#### PACKAGING

250 g bottle  
1 kg bottle



## Primer M

### Primer for absorbent and non-absorbent surfaces

#### USE

Solvent-free 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 min. at +23°C and 50% RH.

**CONSUMPTION** 5÷10 g/metre of treated 1 cm-deep joint.

#### PACKAGING

250 g bottle  
2 kg bottle



# Primer EP

## Primer for Mapeflex PU20, Mapeflex PU21 and Mapeflex PU30

### 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/metre of treated 1 cm-deep joint.

### PACKAGING

10 kg kit (A+B)



# Primer MF

## Primer for Mapeflex PU20, Mapeflex PU21 and Mapeflex PU30

### 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'.

**CONSUMPTION** 5÷10 g/metre of treated 1 cm-deep joint.

### PACKAGING

6 kg kit (A+B)



# Primer FD

## Primer for the sealants of the Mapesil line

### 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 hours at +23°C and 50% RH.

**CONSUMPTION** 5÷10 g/metre of treated 1 cm-deep joint.

### PACKAGING

200 g bottle  
900 g bottle



# 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 min. 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/metre of treated 1 cm-deep joint.

### PACKAGING

150 g bottle



# Primer PU60

Primer for sealants such as Mapeflex PB25 and Mapeflex PU70 SL

## USE

One-component polyurethane primer in solvent, used to promote the bond of **Mapeflex PB25** and **Mapeflex PU70 SL** polyurethane-modified 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/metre of treated 1 cm-deep joint.

## PACKAGING

10 kg metallic drum



# Accessory items and tools

## To make work easier

To bring out the best from Mapei products and to simplify and speed up work, a range of high performance accessory items has been developed.

Mixers, sockets, manual and electric sealant guns and nozzles to help extrude sealants, foams and chemical anchors more quickly and more precisely with less effort.



ACCESSORY ITEMS AND TOOLS

# 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/m<sup>3</sup>
- **Diameters:**  
 Ø 6 mm, 550 m rolls  
 Ø 10 mm, 550 m rolls  
 Ø 15 mm, 550 m rolls  
 Ø 20 mm, 350 m rolls  
 Ø 25 mm, 200 m rolls  
 Ø 30 mm, 160 m rolls  
 Ø 40 mm, 2 m bars,  
 270 m boxes



# Spare static mixers

**For Mapefix PE Wall, PE SF and Mapefix VE SF**

**USE**      Plastic conical mixer units with internal spiral element used to mix and extrude **Mapefix PE Wall** and **PE SF** polyester resin and **Mapefix VE SF** vinylester resin chemical anchors when the standard static mixers supplied with the cartridge are not suitable for a particular site application.

**PACKAGING**      **Bags of 12 mixers**

**CODE**      **1961112**



# Spare static mixers

**For Mapefix EP 385 and Mapefix EP 585**

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

**PACKAGING**      **Bags of 12 mixers + 12 cylindrical extensions**

**CODE**      **1961412**





# Perforated plastic sleeves

For Mapefix range in perforated substrates

**USE** Drilled, 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.

**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

**CODE** 19613110 Ø 12 x 80 mm  
19613210 Ø 15 x 85 mm  
19613310 Ø 20 x 85 mm



# Perforated metallic sleeves

For Mapefix range in perforated substrates

**USE** Round steel bars fixed into both perforated and hollow compact substrates after filling holes for the bars with **Mapefix** chemical resin anchor. May be cut to size according to the length required.

**PACKAGING** Bags of 50 mesh sleeves: Ø 12 x 1000 mm  
Bags of 50 mesh sleeves: Ø 16 x 1000 mm  
Bags of 85 mesh sleeves: Ø 20 x 1000 mm



# Mapei Gun 310

Pro-grade manual extrusion gun for 280, 300 and 310 ml cartridges

**USE** Extruding sealants, included high viscosity sealants. Also suitable for chemical bolts in co-axial packages

**BENEFITS**

- Robust structure for a long service life
- Low weight

**PACKAGING** 1 pc

**CODE** 7948101



# Mapei Gun 310 PRO

Pro-grade manual extrusion gun for 280, 300 and 310 ml cartridges

**USE** Easy extrusion of low-viscosity (silicon and acrylic) and high viscosity (polyurethane, bitumen and butyl) sealants. Also suitable for chemical anchors in co-axial 300 ml packages, extruded at low temperatures.

**BENEFITS**

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

**PACKAGING** 1 pc

**CODE** 7948201



# Mapei Gun 420 2K

Pro-grade manual extrusion gun for Mapefix 380 and 420 ml

**USE** Effortless extrusion of chemical anchors contained in co-axial (380-410 ml and 420 ml) cartridges. Also suitable for use at low temperatures.

**BENEFITS**

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

**PACKAGING** 1 pc

**CODE** 7948301



# 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 fatigue-free extrusion
- Robust structure for a long service life
- Low weight with an ergonomic grip
- Wear-compensation mechanism

**PACKAGING** 1 pc

**CODE** 7948501



# Mapei Gun 585

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 10:1, 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

**PACKAGING** 1 PC

**CODE** 7948401



# Nozzles for Mapei Gun 600 PRO

Extrusion nozzles for soft-cartridges

**USE** Used in combination with **Mapei Gun 600 PRO** or **Mapei Gun 600 PRO Electric** silicone guns to extrude the contents of soft-cartridges.

**PACKAGING** 10 pc

**CODE** 797502



# 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 fatigue-free extrusion
- Robust structure for a long service life

**PACKAGING** 1 pc

**CODE** 7948601



# MapePUR Easy Spray

Accessory for hand-held foam polyurethane 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

**PACKAGING** 5 pc

**CODE** 7949201



# Mapei Gun Electric

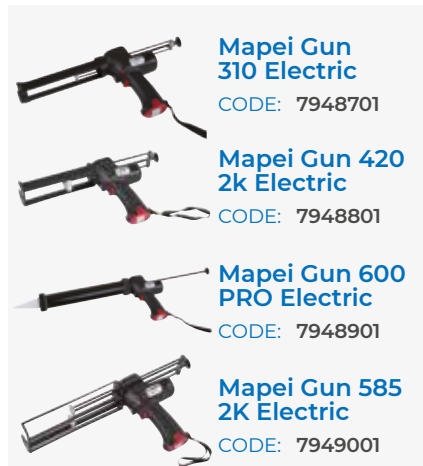
Range of elastic sealant guns with rechargeable batteries

**USE** Electric tools for sealants and elastic adhesives in cartridges or tubes, chemical anchors in co-axial and bi-axial cartridges.

**BENEFITS**

- Low weight
- Easy to use
- Easy to extrude
- Constant feed
- Complete kit comprising two rechargeable batteries, one battery charger and a carrying case

**PACKAGING** 1 pc



**Mapei Gun 310 Electric**  
CODE: 7948701

**Mapei Gun 420 2k Electric**  
CODE: 7948801

**Mapei Gun 600 PRO Electric**  
CODE: 7948901

**Mapei Gun 585 2K Electric**  
CODE: 7949001

# MapePUR Gun Standard

Extrusion gun for polyurethane foam

**USE** Effortless 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

**PACKAGING** 1 pc

**CODE** 7949101



# MapePUR Dispenser M

## Spare nozzle for hand-geld polyhurethane foam spray cans

**USE** Spare nozzles for hand-held cans of foam.

- BENEFITS**
- Ergonomic hand-grip
  - Re-sealable nozzle

**PACKAGING** 12 pc

**CODE** 7949301



# 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:** 18 months

**PACKAGING**  
Cans: 12 x 500 ml

**COLOUR** transparent





# MAXI shelf display unit

**USE** Holds over 450 sealant and chemical anchor cartridges.

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

**CODE**

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

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



# MINI shelf display unit

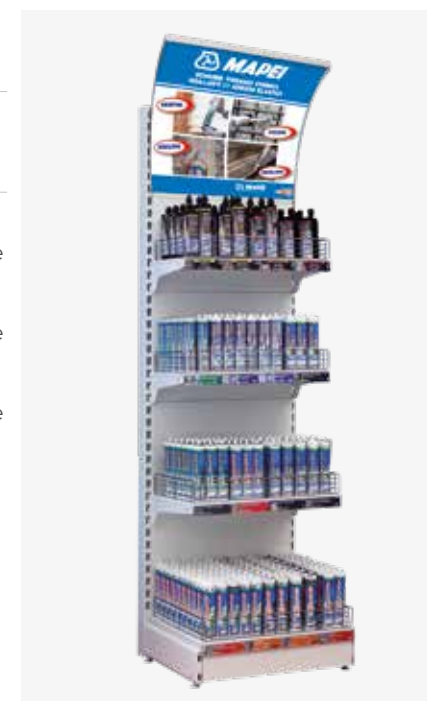
**USE** Holds over 300 sealant and chemical anchor cartridges.

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

**CODE**

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

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



# Dispenser MICRO

**USE** Holds over 56 "similar to silicone" tubes containing sealants and chemical anchors

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

**CODE** **MK986401** (1x)

(1x): 1 unit to be ordered



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