

# Mapectflex Blackfill

## Bitumen sealant



### WHERE TO USE

**Mapectflex Blackfill** is a one-component, flexible bitumen sealant in solvent suitable for sealing bitumen sheaths, construction features on roofs and flat roofs, to make immediate seals on waterproofing layers and for application on substrates which are damp or not perfectly compact and clean. Ideal also for bonding bitumen tiles on sloping roofs.

#### Some application examples

- Localised seals on old bitumen membranes.
- Overlaps on bitumen membranes.
- Fillets in bitumen membranes.
- Sealing air vents.
- Immediate seals in gaps between construction features on roofs and flat roofs, such as:
  - flues;
  - skylights;
  - aerials;
  - guttering.
- Collars around through pipe-work.
- Bonding bitumen tiles on roofs and flat roofs.

### TECHNICAL CHARACTERISTICS

**Mapectflex Blackfill** is a one-component sealant made from bitumen and polymers in solvent characterised by its soft consistency which makes it easy to extrude and shape.

**Mapectflex Blackfill** may be used for filling joints, cracks and gaps of any size in that, once hardened, it forms a plastic mass which is easily deformable. The bead of **Mapectflex Blackfill** may be exposed to rain immediately after application, the product is not prone to leaching and does not dissolve in water.

It also bonds to most substrates such as cementitious materials, wood, bricks, metals and a number of plastics, thanks to the high bond and flexibility of the product, the bond is possible on damp or wet substrates when the product is applied.

**Mapectflex Blackfill** does not run or drip even when applied in wide sloping or vertical joints. However, because of its bituminous nature, it may soften and become more sticky on the surface if the surrounding temperature is high.

**Mapectflex Blackfill** is supplied ready-to-use and is available in handy 300 ml cartridges suitable for use with traditional silicone extrusion guns.

### RECOMMENDATIONS

Carefully check if this product is suitable for application on dusty, crumbly, damp or wet surfaces.

Do not use on surfaces with traces of oil, grease or stripping compound.

Do not use **Mapectflex Blackfill** at temperatures lower than +5°C.

Not suitable for compressive stress, tensile stress or continuous or snap shear stresses.

Not suitable for bonding polyurethane and polystyrene insulating panels or materials which are not compatible with solvent.

Not suitable for pedestrian or vehicle traffic.

### APPLICATION PROCEDURE

#### Preparation of surfaces to be sealed

Surfaces to be sealed must be preferably dry, solid and free of dust, loose parts, oil, grease, wax, rust and old paintwork. On damp or wet substrates remove any stagnant water and apply the product by pressing it sufficiently.

Apply the product with a manual or pneumatic pistol so that all the parts to be sealed have an even layer, trying to avoid air being entrapped in the sealant.

To avoid the sealant seeping out of the joint and to get a more attractive finish, we recommend applying masking tape along the edges of the joint.

Swelling or blisters may be removed by making a cross-



TECHNICAL DATA (typical values)	
<b>PRODUCT IDENTITY (at +23°C - 50% U.R.)</b>	
<b>Appearance:</b>	thick paste
<b>Composition:</b>	bitumen and polymer based
<b>Colour:</b>	black
<b>Density (kg/l):</b>	1.45
<b>Brookfield viscosity at +23°C (Pa-s):</b>	1.000 (# F - rpm 5)
<b>Storage:</b>	18 months in its original sealed packaging
<b>Hazard classification according to EC 1999/45:</b>	flammable. Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packaging and Safety Data Sheet
<b>Recommended application temperature:</b>	+5°C at +35°C
<b>In service temperature range:</b>	-20°C/+70°C
<b>Resistance to UV rays:</b>	excellent
<b>Closed cup flash-point in original cartridge:</b>	> +30°C
<b>Dry solids content (%):</b>	90

cut in the swollen or blistered area of the membrane and bonding the inner and outer faces of the four flaps produced by the cut to the surface for localised repairs on old bitumen membranes.

**Mapeflex Blackfill** may be smoothed and shaped using a warm spatula or other similar warm metal tools to make it easier to get a better looking finish in joints. Any product on tools, clothing and hands may be cleaned off with normal synthetic or nitrate thinners.

#### Preparation and application of Mapeflex Blackfill

Use a traditional extrusion gun suitable for 300 ml cartridges.

#### CONSUMPTION

One **Mapeflex Blackfill** cartridge is sufficient to fill 3 metres of joint with a 10x10 mm section.

#### Cleaning

**Mapeflex Blackfill** may be removed from tools with any synthetic or nitrate-based thinner.

#### STORAGE

**Mapeflex Blackfill** may be stored for 18 months at +23°C in its original sealed packaging.

#### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Mapeflex Blackfill** is flammable. In the event of fire, use a CO<sub>2</sub>, foam or chemical powder fire extinguisher. Keep away from naked flames and sparks. Do not smoke.

We recommend the use of protective gloves

and goggles, and to take the usual precautions for handling chemical products.

**Mapeflex Blackfill** is hazardous for aquatic life. Do not dispose of the product in the environment.

For further and complete information about the safe use of our product please refer to our latest version of the Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

#### WARNING

*Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.*

Please refer to the current version of the **Technical Data Sheet**, available from our website [www.mapei.com](http://www.mapei.com)

**All relevant references for the product are available upon request and from [www.mapei.com](http://www.mapei.com)**



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