



New Guard Coatings Group

A global reputation to protect.

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND

MAPEFLEX BLACKFILL

Bitumen sealant



WHERE TO USE

Mapeflex 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

Mapeflex 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.

Mapeflex Blackfill may be used for filling joints, cracks and gaps of any size as, once hardened, it forms a plastic mass which is easily deformable. The bead of **Mapeflex 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 many varieties of plastics. Thanks to the high bond and flexibility of the product, the bond is possible also in case of damp or wet substrate at the moment of application.

Mapeflex 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.

Mapeflex Blackfill is supplied ready-to-use and is available in handy 300 ml cartridges, suitable for use with traditional silicone extrusion guns from the **Mapei Gun** range.

RECOMMENDATIONS

Carefully evaluate application on dusty, crumbly, damp or wet surfaces.

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

Do not use **Mapeflex 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 gun so that all the parts to be sealed have an even layer, trying to avoid air being entrapped in the sealant.

To prevent the sealant from 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-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 trowel or other similar heated 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 from the **Mapei Gun** range.

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. It is recommended to keep it away from naked flames and sparks, to avoid smoking, to prevent the build-up of electrostatic charges and to work in well ventilated areas. During use wear protective gloves and goggles and take the usual precautions for the handling of chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of water and seek medical attention.

Furthermore, **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 the latest version of our Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY (at +23°C - 50% R.H.)	
Appearance:	thick paste
Composition:	bitumen and polymer base
Colour:	black
Density (kg/l):	1.45
Brookfield viscosity at +23°C (Pa·s):	1,000 (# F - 5 rpm)
Recommended application temperature:	+5°C to +35°C
Service temperature range:	-20°C to +70°C
Resistance to UV rays:	excellent

Closed cup flash-point in original cartridge:	> +30°C
Dry solids content (%):	90

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

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The most up-to-date TDS can be downloaded from our website www.mapei.com.

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430-12-2019-gb

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