SERVICE-HOTLINE +49 375 2795 123

Bitumen Mastic

bitumen | bitumen sealant | defects in roofing membranes | filler compound



Short information

- solvent-based, fibre-reinforced bituminous sealing compound
- for repair of defects in roofing membranes of bituminous roof sheetings
- for sealing coving joints along chimneys and wall transitions
- UV-resistant, crack-bridging, can be applied by trowel

Consumption

- approx. 1.2 kg/m2 per mm of layer thickness

Storage note

- not sensitive to frost
- in originally sealed containers storable for 12 months
- keep away from ignition sources!

Complementary products

Priming
- BORNIT® Bitumen Primer
- BORNIT® Bitumen Primer Spray

Cleaning
- BORNIT® MultiClean
- BORNIT® MultiClean Spray
- BORNIT® Bitumen Cleaner

Content	Item	EAN code	Colour	sufficient for:
1 kg / can 18 can (18 kg) / box	6800000347	4 017228 00379 5	black	approx. 0.8 m2
2,5 kg / bucket 99 bucket (247,5 kg) / euro pallet	6800000340	4 017228 00364 1	black	approx. 2 m2
6 kg / bucket 75 bucket (450 kg) / euro pallet	6800000339	4 017228 003658	black	approx. 5 m2
12 kg / bucket 45 bucket (540 kg) / euro pallet	6800000338	4 017228 003665	black	approx. 10 m2



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Each construction project is different - obtain information before getting started!
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Areas of application

BORNIT® Bitumen Mastic is used for repair and waterproofing of defects in roofing membranes of bituminous roof sheeting as well as junctions and edges of penetrations, installed components, etc. The product adheres well to mineral substrates (concrete, plaster, masonry), bituminous roof sheeting and coatings as well as fibre-cement surfaces. Application on non-absorbent substrates, like non-ferrous metals and steel, should only be undertaken after priming and with a maximum pitch of 25° (approx. 50 %) and maximum layer thicknesses of 4 mm in order to avoid running off.
Not suitable for plastic sheeting, polystyrene or rigid foam substrates as well as impregnated surfaces, e.g. treated with silicone-containing coatings.
Prior to application on concrete, masonry and plaster, the substrate must be primed with BORNIT® Bitumen Primer for dust binding.

Product data in brief

Product type	bituminous filling compound
Base	bitumen, solvent, aggregates
Density at +20 °C	1.05 - 1.10 g/cm³
Solvent	white spirit
Application	with a spatula
colour(s)	black
Consistency	paste-like
Softening point acc. to cone/ring	+160 °C (from the solid EP)
storage	not sensitive to frost
Shelf life	in originally sealed containers storable for 12 months keep away from ignition sources!
Hazard class according to ADR	flammable liquids (Flam. Liq. 3)
Acc. to Industrial Safety Regulation (BetrSichV)	flammable
Cleaning	BORNIT® MultiClean Spray, BORNIT® MultiClean or BORNIT® Bitumen Cleaner
Heat resistance	at +70 °C, 2 h, no running off
Boiling start and Boiling range	> +150 °C
Flash point	24 °C
Upper/lower explosion limit	6,4 - 0,67 Vol-%
Water permeability 0.5 bar, 8 h	impermeable
Max. roof pitch	25°

Type and properties

BORNIT® Bitumen Mastic is a paste-like, fibre-reinforced bituminous sealing compound for cold application. The solvent-containing product is resistant to non-oxidising acids and contains stabilising additives to prevent settling. The material properties only become fully effective following complete and thorough drying. Then, the filling compound is water-impermeable and resistant to adverse weather conditions. It is not resistant to solvents, fuels, oils and oxidising acids. BORNIT® Bitumen Mastic is free from tar, asbestos, PCK and PCB. Tested according to AIB DS 835.

Advantages

·manufactured ready for processing
·crack-bridging, waterproof and UV-resistant
·a wide range of applications
·low equipment and material costs and effort during processing

Surface

The substrate must be dry, clean, oil- and grease-free as well as stable. For better adhesion on concrete, masonry or plaster, BORNIT® Bitumen Primer is recommended for priming.
The primer must be completely dry before applying the filling compound.
The product contains solvents, which may damage synthetic materials, etc. Check compatibility with the substrate prior to application!

Processing

BORNIT® Bitumen Mastic is manufactured ready for processing and is applied directly as delivered with a trowel or spatula. In case of cold weather, store the filling compound in a heated room prior to processing.
BORNIT® Bitumen Mastic is best processable at temperatures between +5 °C and +35 °C. With previous warm storage, processing, however, is possible down to an outside temperature of -5 °C.
Intensively spread the product onto the substrate, tapering out at the edges.
In that, application thicknesses of up to 5 mm are possible. Only apply thicker compound layers in several work steps with a time interval inbetween, enabling secure and uniform evaporation of the solvent! Otherwise, blistering due to solar irradiation and very long (several weeks) drying times cannot be excluded.
Do not apply to heated or easily heatable substrates.
During drying, protect the coating from moisture, rain or condensation water.

Consumption

approx. 1.2 kg/m2 per mm of layer thickness

Health and fire protection, occupational safety

Caution - Only use in well-ventilated outdoor areas. Not suitable for use in closed rooms or poorly ventilated pits!
Do not eat, drink or smoke while working, keep away from sources of ignition.

To ensure safe handling of the product, the physical, safety, toxicological and ecological information provided online, the information in the current safety data sheet and the additional information on the label must be read and followed before purchasing or using the product! The applicable regulations, ordinances and laws must be complied with.

In case of doubt, please contact the BORNIT® application technology department or the BORNIT® service hotline on +49 375 2795 123.

Warning notices

UN-number	No dangerous good in sense of these transport regulations.
Signal word	Warning
Hazard-determining components for labelling	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
H-records	H226: Flammable liquid and vapour. H336: May cause drowsiness or dizziness.
EUH-records	EUH066: Repeated exposure may cause skin dryness or cracking.
P-records	P102: Keep out of reach of children. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P271: Use only outdoors or in a well-ventilated area. P403 + P233: Store in a well-ventilated place. Keep container tightly closed. P501: Dispose of contents/container to a suitable recycling or disposal facility. P280: Wear protective gloves/protective clothing.
Recommended, personal protective equipment:	

Disposal note

Only recycle completely empty containers. Material residues can be disposed of according to AVV-ASN: 080409* (adhesive and sealing compound residues containing organic solvents or other hazardous substances).

Note

This data sheet supersedes all previous technical information relating to the product. Such information is therefore no longer valid. The details have been compiled in accordance with the latest state of the art in application technology. Please note, however, that depending on the condition of the building, it may be necessary to deviate from the working methods recommended in this data sheet. Unless otherwise agreed in an individual contract, all information contained in this data sheet is non-binding and therefore does not constitute an agreed product specification. We reserve the right to make changes to the information contained in this data sheet at any time. We recommend that you check our website www.bornit.de for any updates.

The product illustrations are to be regarded as examples. No legally binding claim can be derived from them. We reserve the right to make changes to the product's appearance.

Our packaging complies with the relevant legal requirements and with Regulation (EU) 2025/40 on packaging and packaging waste (PPWR). The technical documentation in accordance with Annex VII is available and can be provided on request by emailing info@bornit.de.