SERVICE-HOTLINE +49 375 2795 123

Unibit

bitumen | coating | water-based | protection | soil moisture



Short information

- free from organic solvents (solvent-free)
- as an alternative to solvent-based coatings
- bitumen coating for renovation work on bituminous topcoats
- for the protection of concrete, plaster and masonry
- protective coating against soil moisture
- can also be used as an adhesion-enhancing primer when diluted with water
- can be brushed or sprayed-on

Consumption

- as primer diluted 1:2 with water: approx. 0.10 l/m2
- as covering protective coat (at least 2 coats) and under BORNIT® BORNIthene Plus: approx. 0.30 l/m2 (per coat)

Storage note

- at moderate temperatures, not below +2 °C up to +30 °C, sensitive to frost!
- in originally sealed containers storable for 12 months

Complementary products

Priming
- BORNIT® Grundbit

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

Follow-up products
- BORNIT® Glass Fabric 58
- BORNIT® BORNIthene Plus

Content	Item	EAN code	Colour	sufficient for:
5 l / bucket 60 bucket (300 l) / euro pallet	6900002662	4 017228 00280 4	black	approx. 8.3 m2
10 l / bucket 44 bucket (440 l) / euro pallet	6900002531	4 017228 00288 0	black	approx. 16.5 m2
25 l / bucket 18 bucket (450 l) / euro pallet	6900002661	4 017228 00284 2	black	approx. 41.5 m2

Praxis Tipp

Wetting tools with water before use considerably extends their service life!



Areas of application

BORNIT® Unibit serves as protective and waterproofing coating for concrete, plaster and masonry against ground moisture (not for building structure waterproofing according to DIN 18533) as well as topcoat upon restoration of bituminous roof membranes (roof pitch of at least 3%). Furthermore, BORNIT® Unibit is used for protection against moisture on concrete elements (shafts, channels, etc.) in the area in contact with the ground. Not suitable for corrugated bituminous sheets.
BORNIT® Unibit can be used diluted with water 1:2 as adhesion-improving primer for all BORNIT® bitumen emulsion products as well as undiluted as primer for BORNIT® BORNIthene Plus.

Product data in brief

Product type	latex-modified bitumen emulsion
Base	bitumen emulsion, latex
Density at +20 °C	approx. 1.00 g/cmł
Solvent	water
Application	small or large brush, roller, spraying equipment (airless)
colour(s)	black-brown
Consistency	viscous
Processing temperature (ambient and substrate)	not below +5 °C and not above +30 °C
PH-value	11.0 - 11.5
storage	at moderate temperatures, not below +2 °C up to +30 °C, sensitive to frost!
Shelf life	in originally sealed containers storable for 12 months
GISCODE	BBP10
GISCODE link comp. A	https://www.wingisonline.de/showbetrandoc.aspx?gisbaunr=4/00000018210/000009&docid=1995&lang=de
Substances hazardous to health in terms of the ordinance on hazardous materials	none
Hazard class according to ADR	none
Cleaning	in the fresh state with water, in the hardened state with BORNIT® MultiClean Spray, BORNIT® MultiClean or BORNIT® Bitumen Cleaner
Dilution	water
Film-forming components	min. 55 %
Boiling start and Boiling range	+100 °C

Type and properties

BORNIT® Unibit is a latex-modified bitumen emulsion and contains no organic solvents (solvent-free). BORNIT® Unibit can be used undiluted as a protective coating for various standard building substrates, or diluted with water as a primer for bitumen emulsion products.

The product can be applied by brush, roller or airless spraying.

BORNIT® Unibit meets the requirements (Annex 313 / Items 10.1 and 10.2 – Bitumen-based building products) of the state quality label for sustainable buildings (Quality Label for Sustainable Buildings (QNG)). The label is issued by the German Federal Ministry for Housing, Urban Development and Construction.

Advantages

·easy to use, as it is ready to use
·suitable for a range of standard construction applications
·free from organic solvents (solvent-free)
·efficient application thanks to minimal equipment, material and labour requirements

Surface

The substrate must be firm, clean and free from separating substances (oils, greases, etc.). It may be slightly moist, but not wet. In case of highly absorbent substrates, prime with BORNIT® Grundbit.

Processing

BORNIT® Unibit is delivered ready for use.
Topcoats must be applied undiluted. For that, at least 2 coats are recommended. The second coat is applied after sufficient surface drying of the first one.
The product is applied with a moistened coating broom or brush, resp., or airless spraying equipment.
Clean the respective processing equipment with water immediately after use. Hardened material can be removed with BORNIT® Bitumen Cleaner.
For use as a primer, BORNIT® Unibit is diluted 1:2 with fresh tap water under stirring and mixed well with a mechanical stirrer.
BORNIT® Unibit must only be applied in dry weather and under no circumstances in case of frost or rain or impending rain, resp.

Consumption

as primer diluted 1:2 with water: approx. 0.10 l/m2
as covering protective coat (at least 2 coats) and under BORNIT® BORNIthene Plus: approx. 0.30 l/m2 (per coat)

Health and fire protection, occupational safety

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

GISCODE	BBP10
UN-number	No dangerous good in sense of these transport regulations.

Hazard-determining components for labelling	1.2-Benzisothiazol-3(2H)-on
EUH-records	EUH208: Contains 1,2-Benzisothiazol-3(2H)-on. May produce an allergic reaction.
Recommended, personal protective equipment:	

Disposal note

Only recycle completely empty containers. Material residues can be disposed of according to AVV-ASN: 080410 (adhesive and sealing compound residues, except for those falling under 080409).

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.