

Unibit

bitumen | coating | solvent-free | protection | soil moisture



Short information

- solvent-free alternative to traditional 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. 0.15 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

Content	Order-No.	EAN code	Colour	sufficient for:
10 ltr. / bucket 44 bucket (440 ltr.) / euro pallet	6900002531	4 017228 00288 0	black	approx. 33 m ²
25 ltr. / bucket 18 bucket (450 ltr.) / euro pallet	6900002661	4 017228 00284 2	black	approx. 83 m ²
5 ltr. / bucket 60 bucket (300 ltr.) / euro pallet	6900002662	4 017228 00280 4	black	approx. 16.6 m ²



Wetting tools with water before and during 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. 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	1.05 g/cm ³
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
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 %

Type and properties

BORNIT® Unibit is a universally applicable, solvent-free and latex-modified bitumen emulsion. BORNIT® Unibit can be used undiluted as a protective coating for a wide variety of standard building substrates and diluted with water as a primer for bitumen emulsion products.

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

Advantages

- easiest handling, since manufactured ready for use
- universally applicable, thus numerous uses
- free from solvents, hence environmentally friendly
- economical and cost-cutting, due to low equipment and material costs and effort

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. 0.15 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

For information on handling, safety and ecology, please refer to the current safety datasheet.

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 datasheet replaces any previous technical information about the product. Thus, this information is no longer valid. The details have been compiled according to the latest state of application technology. Please observe, however, that, depending on the state of the construction object, deviations from the method of application suggested in the datasheet may be required. Unless agreed otherwise in individual contracts, any information contained in the datasheet shall be non-binding and thus does not represent an agreed product constitution. We reserve the right to any changes in the information contained in this datasheet anytime. We recommend informing yourself about possible changes on our website www.bornit.de.