

Silo Coating

bitumen / protective coating / silo coating / silo



short information

- protects concrete, masonry, plasters, wood and metals
- protective coating against aggressive wastewater as well as numerous chemical substances like alkalis, organic acids and salts
- good adhesion and heat resistance
- bitumen coating to be brushed-on and sprayed-on cold
- economical and cost-reducing, as there is little equipment, material and labor required

consumption

- approx. 0.4 l/m² per coat (3 coats required)

storage note



- store in a dry place
- product is not sensitive to frost
- keep away from ignition sources!
- in originally sealed containers storable for 12 months

complementary products

priming

- BORNIT® Silo Primer

cleaning

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

content	item	EAN code	colour	sufficient for:
10 ltr. / bucket 45 bucket (450 ltr.) / euro pallet	6900002642	4 017228 00410 5	black	approx. 25 m ²
25 ltr. / bucket 18 bucket (450 ltr.) / euro pallet	6900002641	4 017228 00411 2	black	approx. 62.5 m ²
200 ltr. / barrel 2 barrel (400 ltr.) / barrel pallet	6900002640	4 017228 00412 9	black	approx. 500 m ²



Stir well before use!



areas of application

BORNIT® Silo Coating protects concrete, masonry, plasters, wood and metals from penetrating water and thus from destruction and corrosion. BORNIT® Silo Coating is an acid-proof, well covering protective coating against aggressive wastewater as well as numerous chemical substances, like lyes, organic acids and salts.

BORNIT® Silo Coating is applied in industrial silos. In liquid manure, slurry and silage effluent plants as well as biogas storage and filling plants, we recommend BORNIT® Siloflex.

For better adhesion to concrete, masonry or plaster, use BORNIT® Silo Primer for priming.

product data in brief

product type	filler-free bitumen coating
base	bitumen, solvent
density at +20 °C	0.90 - 0.93 g/cm ³
solvent	white spirit
application	with roller, spraying equipment (airless), wide brush, etc.
colour(s)	black
consistency	liquid
processing temperature (ambient and substrate)	min. +5 °C, but not sensitive to frost!
storage	store in a dry place product is not sensitive to frost keep away from ignition sources! in originally sealed containers storable for 12 months
shelf life	BBP30
GISCODE	2004/42/EC g/Lb: < 350 gr/ltr. < 350 g/l
VOC content	Flammable liquids (Flam. Liq. 3)
hazard class according to ADR	flammable
Acc. to Industrial Safety Regulation (BetrSichV)	BORNIT® MultiClean Spray, BORNIT® MultiClean, BORNIT® Bitumen Cleaner
cleaning	approx. 60 %
film-forming components	resistant up to +70 °C, according to AIB
heat resistance	> +150 °C
boiling start and Boiling range	36.0 °C
flash point	

type and properties

BORNIT® Silo Coating is a cold spreadable and sprayable bitumen coating, which after thorough drying forms a water-impermeable, closed bitumen coat with high plasticity and thermal resistance.

advantages

- easiest handling, since manufactured ready for use
- universally applicable, therefore numerous uses
- good adhesion and thermal resistance
- economical and cost-cutting, due to low equipment and material costs and effort

surface

BORNIT® Silo Coating adheres to all substrates common in construction. The substrate must be dry, clean, free from grease, and free from separating agents. Fresh concrete must have cured for at least 28 days. Deposits, like concrete grout or chalking must be removed with suitable measures, as for example sandblasting. Until thorough drying, the coating must be protected from rain and strong solar irradiation. During the construction phase, no water must penetrate between substrate and coating. Loose components must be removed and voids repaired. Mineral and untreated substrates must be primed with BORNIT® Silo Primer (approx. 0.2 l/m²).

processing

BORNIT® Silo Coating is spreadable and sprayable without dilution. Stir up BORNIT® Silo Coating prior to processing! For first-time coating or highly exposed surfaces, 3 topcoats are required. Upon application of several coats, let every layer dry thoroughly, the drying time depends on the weather. The processing temperature (ambient and substrate temperature) should not be below +5 °C and not above +35 °C. The final resilience is only achieved after complete and thorough hardening (complete evaporation of the solvent). Only use in well-ventilated outdoor areas and observe the current version of the Technical Rules for Hazardous Substances (TRGS).

consumption

approx. 0.4 l/m² per coat (3 coats required)

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.

notes

GISCODE BBP30

UN-number UN 1993

Hazard pictograms



signal word Warning

Hazard-determining components for labelling Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics; Hydrocarbons, C9, aromatics

H-records	H226: Flammable liquid and vapour. H336: May cause drowsiness or dizziness. H412: Harmful to aquatic life with long lasting effects.
EUH-records	EUH066: Repeated exposure may cause skin dryness or cracking.
P-records	P102: Keep out of reach of children. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P271: Use only outdoors or in a well-ventilated area. P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor. P331: Do NOT induce vomiting. P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

recommended, personal
protective equipment:



first aid UFI-Code: 3MC0-G0XP-7006-4GWR

Safety Data Sheet Poison Information Centre , 24h: +49-361-730730

ERFURT - Poison Control Centre Erfurt, Joint Poison Information

Centre of the federal States of Mecklenburg-Western Pomerania, Saxony,

Saxony-Anhalt and Thuringia; ggiz@ggiz-erfurt.de; www.ggiz-erfurt.de

- What: name of the substance or product as precisely as possible, etc.
- How much: as exact a quantity as possible
- Who: Age, weight, sex and condition of the person(s) concerned.
- When: Time of the event
- Where: Place of occurrence
- How: ingestion, inhalation, skin contact, etc.
- Why: accidentally or intentionally

National notified bodies - Poisoncentres - ECHA (europa.eu) Harmonised Submission of Information to Poison Centres According to Annex VIII to the CLP Regulation

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 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.