SERVICE-HOTLINE +49 375 2795 123

Edge Flex

bitumen | road construction | edge sealing | edge of the road | water-based



Short information

- highly elastic, crack-bridging and good adhesion to the substrate
- cold workable and manufactured ready for use
- the specified bitumen quantity is applied in one go
- rapid construction progress without waiting periods
- after drying, secure closure of the pores in the edge region
- free from organic solvents (solvent-free)
- flexible bitumen compound for sealing of the higher edge in asphalt road construction
- in accordance with ZTV-Asphalt STB 26, Parts 1 and 2
- machine-assisted application using the BORNIT®-Flexomat 3.1 and Edge Module
- weather and UV resistant

Consumption

- inclined surfaces:
- at least 40 g per cm of asphalt layer thickness and metre of application length or at least 0.4 kg per linear metre with 10 cm of spraying width, resp. This corresponds to the 40 g per centimetre of asphalt layer thickness demanded in ZTV Asphalt 26.
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- horizontal surfaces:
- layered sealing with 10 cm in width at least 150 g per metre of application length. This corresponds to the 150 g per metre of application length demanded in ZTV Asphalt 26.

Storage note

- at moderate temperatures, not below +5 °C, sensitive to frost
- in originally sealed containers storable for 6 months

Complementary products

Cleaning

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

Follow-up products

- BORNIT® Flexomat 3.1
- BORNIT® Edge Module

Content	Item	EAN code	Colour	sufficient for:
30 kg / bucket 18 bucket (540 kg) / euro pallet	6900002673	4 017228 00255 2	black	approx. 75 linear metres with 10 cm working wid

BORNIT-Werk Aschenborn GmbH | Reichenbacher Straße 117 | 08056 Zwickau
Tel. +49 375 - 2795 - 0 | Fax +49 375 - 2795 - 150 | info@bornit.de | www.bornit.de

Each construction project is different - obtain information before getting started!
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Praxis Tipp
Clean tools with water immediately after use

Areas of application

BORNIT® Edge Flex is sprayed-on cold to protect the asphalt body from water penetrating from the side. In case of a unilateral transverse gradient, the more elevated edge must be sealed on one side, or in twisted areas on both sides, resp., by applying a bitumen compound in order to prevent damaging to the compact asphalt composite.
BORNIT® Edge Flex adheres excellently, also in high layer thicknesses, to horizontal and vertical surfaces. Fine shrinkage cracks, open pores, etc., are filled and covered with the viscous material in a flexible and crack-bridging manner. The material is mechanically applied with the BORNIT® Flexomat 3.1 with the “Edge Module” attached over the entire flank surface in a cost-effective and efficient manner. Thus, one worker can securely seal approx. 600 m of asphalt flank in one hour.

Product data in brief

Product type	polymer-modified bitumen emulsion
Base	rubber latex, bitumen emulsion
Density at +20 °C	approx. 1.20 g/cm³
Solvent	none
Application	BORNIT® Flexomat 3.1 + Edge Module
colour(s)	black
Consistency	viscous, thixotropic
Processing temperature (ambient and substrate)	from +5 °C to max. +35 °C
rainfast	approx. 15 minutes
PH-value	11.0 - 11.5
storage	at moderate temperatures, not below +5 °C, sensitive to frost
Shelf life	in originally sealed containers storable for 6 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

Type and properties

BORNIT® Edge Flex is a flexible, polymer-modified bitumen emulsion with special fillers for secure waterproofing of the elevated edge of asphalt-paved traffic areas.
In the set state, the material is weather- and UV-resistant. The product does not contain any organic solvents (solvent-free) and after thorough drying it provides resilient and elastic edge sealing against penetrating surface water. Due to its thixotropic (stable) consistency, BORNIT® Edge Flex can be applied in one go without any problem in the layer thickness demanded according to ZTV Asphalt-StB 26.

Advantages

·highly elastic, crack-bridging and good adhesion to the substrate
·cold workable and manufactured ready for use
·the specified bitumen quantity is applied in a single working step
·rapid construction progress without waiting periods
·after drying, secure closure of the pores in the edge region
·free from organic solvents (solvent-free)
·weather- and UV-resistant

Surface

The substrate must be frost-free, firm, clean and free from separating substances (oil, grease, etc.). It may be matt moist, but not wet.

Processing

In principle, edge sealing should be undertaken at temperatures above +5 °C and in continuously dry weather.
Machine processing:
Using the processing equipment BORNIT® Flexomat 3.1 + Edge Module, larger distances can be treated very quickly and effectively for edge sealing with BORNIT® Edge Flex. With the application arm and the spraying nozzle, the material is thus liquefied at the nozzle with pressure and injected deeper into the pores at the edge. Simultaneously, the material is evenly and stably applied to the surface in the required layer thickness.

Note: Complete drying of the material may take longer than a day and depends on the weather or the material thickness, resp. However, within a short period (approx. 15 minutes), a thin rain protection layer is formed on the surface of BORNIT® Edge Flex, so that when rain starts to fall, this does not have a negative impact on the sealing. In cold and moist weather, the thorough drying time is prolonged.

Consumption

inclined surfaces:
at least 40 g per cm of asphalt layer thickness and metre of application length or at least 0.4 kg per linear metre with 10 cm of spraying width, resp. This corresponds to the 40 g per centimetre of asphalt layer thickness demanded in ZTV Asphalt 26.

horizontal surfaces:
layered sealing with 10 cm in width at least 150 g per metre of application length. This corresponds to the 150 g per metre of application length demanded in ZTV Asphalt 26.

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

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: 170302 (bituminous mixtures, except for those falling under 170301).

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.