

Asphalt Repair Mortar

bitumen | road construction | potholes | excavations | repair mortar | mortar



Short information

- multi-component repair asphalt
- for fast closure of breakouts and unevennesses
- adjustment of traffic areas to inlets, manhole covers and other transitions
- layer thicknesses of 5 to 20 mm (RE 30)
- layer thicknesses of 10 to 30 mm (RE 50)
- quick hardening, cold-applicable
- grain size 0 to 3 mm or 0 to 50 mm

Consumption

- approx. 20 kg/m² per cm of layer thickness

Storage note



- frost-free, avoid exposure to heat above +30 °C and direct solar irradiation
- in originally closed container storable for 3 months

Complementary products

Cleaning

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

Follow-up products

- WK stirrer (lifting - small quantities)
- MK stirrer (lifting - large quantities)

Content	Order-No.	EAN code	Colour	sufficient for:
Asphalt Repair Mortar RE 30 18 kg / bucket 24 bucket (432 kg) / euro pallet	6700000137	4 017228 00905 6	black	approx. 0.9 m ²
Asphalt Repair Mortar RE 50 18 kg / bucket 24 bucket (432 kg) / euro pallet	6700000138	4 017228 00906 3	black	approx. 0.9 m ²



Observe mixing order!



Areas of application

BORNIT® Repair Mortar RE 30 is used for the fast closure of breakouts and unevennesses as well as the adjustment of traffic areas to inlets, manhole covers, surrounds and other transitions. Due to the grain size of BORNIT® Repair Mortar RE 30, layer thicknesses of 2 to 20 mm can be produced. Higher layer thicknesses are possible with repeated application. The surfaces produced are traversable after 60 minutes.

Product data in brief

Product type	multi-component repair material for asphalt and concrete surfaces
Base	chippings, bitumen, mineral hardener component
Solvent	none
Application	shovel, trowel, poulder
Colour(s)	black
Consistency	plastic after mixing
Processing temperature (ambient and substrate)	at least +5 °C
Processing time	workable for approx. 5 - 10 minutes, at higher temperatures the working time can be extremely shortened
Thorough hardening time	approx. 60 minutes
Storage	frost-free, avoid exposure to heat above +30 °C and direct solar irradiation
Shelf life	in originally closed container storable for 3 months
Substances hazardous to health in terms of the ordinance on hazardous materials	none
Hazard class according to ADR	none
Cleaning	BORNIT® MultiClean Spray, BORNIT® MultiClean, BORNIT® Bitumen Cleaner
Mixing time	max. 2 minutes
Mixing order	1. mix grit with an anchor stirrer 2. mix in powder component dry 3. mix in approx. 1.5 litres of water (consistency - earth-moist concrete) 4. shake and mix in emulsion (total mixing time max. 2 minutes!!!)

Type and properties

BORNIT® Repair Mortar RE 30 is a multi-component, cold-applicable repair mortar for asphalt or concrete traffic areas. The mineral portion (grain size 0/3 mm) required for preparing the mixture ready for processing is included in the delivery container just as the polymer-modified bitumen emulsion (plastic bottle) and the accelerator (plastic bag). The latter must be dosed depending on the temperature and, upon application of the entire quantity, shortens the processing time, e.g. at 25 °C, to approx. 5 to 10 minutes.

Advantages

- good adhesion
- solvent free
- economical and cost-cutting, due to low equipment and material costs and effort

Surface

The substrate must be firm and clean.

Processing

The substrate for application must be clean, free from oil and grease, as well as have sufficient strength and load-bearing capacity (asphalt). Soil, grit or antifreeze substrates are not suitable!

Loose particles as well as standing water must be removed. With summer outdoor temperatures, moistening of the substrate is recommended. Processing must not be undertaken in the rain or at outside temperatures below +5 °C. In very hot weather (over +25 °C) or upon using materials stored under hot conditions (e.g. in a vehicle), the processing time can shorten such that processability is lost during mixing already. Therefore, application should always be undertaken during a cooler time of day.

The coordinated components can be mixed right in the container. First, the accelerator (small bag) is admixed with the crushed sand in a dry state. Subsequently, up to 2 litres of water are admixed in portions under stirring, until the consistency of an earth-moist concrete is achieved.

The bitumen emulsion must be shaken well prior to use, and is then added to the prepared mixture. Blending is undertaken using a trowel, shovel or slow-running stirrer, until a uniform brown colouring is achieved.

The mixing time should not exceed 1-2 minutes.

Depending on the outside temperature, the repair compound stays processable for 5 to 10 minutes – the higher the temperatures, the shorter the processing time applies as a rule. The repair compound is filled into the prepared spot to be repaired and smoothed using a trowel or shovel applying slight pressure. Subsequently, sand is spread onto the surface.

Consumption

approx. 20 kg/m² per cm of layer thickness

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

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.