SERVICE-HOTLINE +49 375 2795 123

Reactive Asphalt

bitumen | road construction | reactive | coldmix asphalt | pothole



Short information

- cold workable and manufactured ready for processing
- following application and compaction traversable after a short period of time and stable
- quick-setting and load-resistant
- hot asphalt mix can be applied on top
- not sensitive to frost and applicable at temperatures below 0 °C
- can be applied by one person without great equipment effort

Consumption

- approx. 25 kg/m2 at 1 cm layer thickness

Storage note

- dry, cool, protect from direct sunlight
- Shelf life 6 months in the original sealed container

Complementary products

Priming
- BORNIT® Bitumen Primer Spray

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

Follow-up products
- BORNIT® Pounder

Content	Item	EAN code	Colour	sufficient for:
Reactive Asphalt 20 25 kg / bucket 32 bucket (800 kg) / euro pallet	6800000937	4 017228 00937 7	black	approx. 1 m2
Reactive Asphalt 40 25 kg / bucket	6800000456	4 017228 00829 5	black	approx. 1 m2
Reactive Asphalt 80 25 kg / bucket 32 bucket (800 kg) / euro pallet	6800000936	4 017228 00938 4	black	approx. 1 m2



Areas of application

BORNIT® Reactive Asphalt is mainly used for repair work in road maintenance. Since the material can be processed very easily and without great equipment effort, the skilled handyman, too, can use it to perform repairs on driveways, parking spaces or courtyards himself. BORNIT® Reactive Asphalt is used to close potholes and breakups of any kind as well as to compensate for level differences in asphalt road surfaces and pavements. The material can also be used to build small ramps or driveways, for filling work after sewer shaft repairs and to repair breakups in concrete or mastic asphalt surfaces. BORNIT® Reactive Asphalt can be used on roads of all load-bearing categories in layer thicknesses of 3-10 mm (grain size 0-2 mm), 5-20 mm (grain size 0-4 mm) or 10-50 mm (grain size 0-8 mm), resp.

Product data in brief

Density at +20 °C	2.00 - 2.50 g/cmł
Solvent	none
Application	trowel, shovel, watering can
colour(s)	black
Consistency	granules
Processing time	20 minutes
storage	dry, cool, protect from direct sunlight
Shelf life	Shelf life 6 months in the original sealed container

Type and properties

BORNIT® Reactive Asphalt is a cold workable, with the addition of water reactively quick-setting repair material for repairs on asphalt and concrete surfaces.
It consists of a mixture of high-quality chippings with special bituminous emulsions and an integrated hardening component. BORNIT® Reactive Asphalt does not contain any organic solvents (solvent-free). Following application and compaction, the repaired spots are traversable after a short period of time and have excellent stability. Later on, asphalt can be applied over BORNIT® Reactive Asphalt any time. Depending on the intended use and application thickness, BORNIT® Reactive Asphalt is offered in various grain sizes.

Grain size 0-2 mm = Reactive Asphalt 20
Grain size 0-4 mm = Reactive Asphalt 40
Grain size 0-8 mm = Reactive Asphalt 80

Advantages

·cold workable and manufactured ready for processing
·following application and compaction traversable after a short period of time and stable
·quick-setting and load-resistant
·hot asphalt mix can be applied on top
·not sensitive to frost and applicable at temperatures below 0 °C
·can be applied by one person without great equipment effort

Surface

The substrate must be free from loose particles, standing water, ice, snow, dirt or any separating substances. Upon application on concrete, in case of thin layers or for improvement of adhesion, resp., it is recommended to prime the substrate and the edges of the existing material with BORNIT® Bitumen Primer Spray. With the special spraying can with the user-friendly 360° tilting valve, small surfaces can be primed without any problem without having to use further tools. The product penetrates well into the substrate, has a dust-binding effect and dries faster than conventional bitumen primers. After complete drying of the primer, application of BORNIT® Reactive Asphalt can be started.

Processing

Apply BORNIT® Reactive Asphalt on the substrate and spread it with a rake or trowel in a slightly elevated manner. Subsequently, spray the reactive asphalt layer generously with water (approx. 1 l of water per 25 kg of coldmix). The mix reacts with the water and the curing process begins. The mix must be compacted well. For small areas, forceful ramming with a hand rammer is sufficient, for larger areas, the use of a vibratory plate or a roller is recommended. Upon application below 0 °C, BORNIT® Reactive Asphalt should be stored in a warm room for better processing. At temperatures below -5 °C, do not spray with water. Slower setting must be expected!
Following application and compaction, BORNIT® Reactive Asphalt is traversable after 30 minutes, at the latest. For even faster hardening, the contents of the container can be repotted in individual cases and mixed as homogeneously as possible with 1-2 litres of water before application. In order to avoid stickiness, spread fine crushed sand on the surface. Follow-up compaction is achieved with normal road traffic.

Consumption

approx. 25 kg/m2 at 1 cm layer thickness

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

Recommended, personal protective equipment:



Disposal note

Only recycle completely emptied containers. Material residues may be disposed of according to AVV-ASN: 170302 (bitumen mixtures except for those subject to 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.