SERVICE-HOTLINE +49 375 2795 123

Bituminous Emulsion C60B4-REP

ramp spraying equipment | bitumen emulsion | cationic | asphalt | TL BE-StB 15



Short information

- unstable, cationic bituminous emulsion
- for surface treatments with standardized aggregates for sealing asphalt streets
- quality compliant with TL BE-StB 15
- machine application with ramp spray machines and road master spreaders

Consumption

- approx. 1.4 - 2.2 kg/m2, depending on the substrate and the surface treatment to be undertaken

Storage note

- at least +5 °C - sensitive to frost
- in originally sealed containers storable for 4 weeks

Complementary products

Cleaning

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

Content	Item	EAN code	Colour	sufficient for:
25 kg / canister 24 canister (600 kg) / euro pallet	6900002678	4 017228 00768 7	black	approx. 11.3 - 17.8 m2
190 kg / barrel 2 barrel (380 kg) / barrel pallet	6900002677	4 017228 00740 3	black	approx. 86.4 - 135.7 m2
1000 kg / IBC tank pallet	6900003422	4 017228 00695 6	black	approx. 454.5 - 714.3 m2



Areas of application

BORNIT® Bituminous emulsion C60B4-REP is suitable for repair work on asphalt surfaces. Uniformly apply the emulsion onto the surface to be treated (spraying) and, depending on the application, immediately spread suitable high-grade chippings thereon.

Product data in brief

Product type	cationic bitumen emulsion
Base	bitumen, water
Density at +20 °C	approx. 1.10 g/cmł
Application	with spraying equipment of company “Maus”, ramp spraying equipment or the like
colour(s)	black
Consistency	liquid, homogeneous
storage	at least +5 °C - sensitive to frost
Shelf life	in originally sealed containers storable for 4 weeks
GISCODE	BBP10
Hazard class according to ADR	keine
Cleaning	BORNIT® MultiClean Spray, BORNIT® MultiClean, BORNIT® Bitumen Cleaner
Film-forming components	58 - 62 %
Boiling start and Boiling range	+100 °C
Type of charge	cationic
Binder	road construction bitumen
Screenings	max. 0,5 %

Type and properties

BORNIT® Bituminous Emulsion C60B4-REP is an unstable, cationic bitumen emulsion with quick breaking-down and setting behaviour in contact with high-quality chippings. BORNIT® Bituminous emulsion C60B4-REP is free from organic solvents (solvent-free) and corresponds to TL BE-StB 15.

Processing

Immediate processing after delivery is recommended. The chippings used must be clean and dust-free. They may be moist, but not wet. Filling, storage and substrate temperatures: min. +5 °C
Processing temperature: min. 40 °C – max. 60 °C
The pipe systems of the transport and processing vehicles have to be discharged, if applicable, following completion of work. Longer transport of the emulsion must be undertaken with full tanks. In order to avoid foaming of the product, bottom-up filling is to be used for filling or refilling. If spraying equipment is used for processing, then it must be cleaned immediately after completion of work in order to avoid clogging of nozzles and pipes with bitumen. For cleaning, please observe the respective regulations of the spraying equipment manufacturer. BORNIT® Bituminous Emulsion C60B4-REP must not be mixed with bitumen emulsions with other designations or from other manufacturers.

Consumption

approx. 1.4 - 2.2 kg/m2, depending on the substrate and the surface treatment to be undertaken
Upon using high-quality chippings:
Grain size 1/3 mm approx. 1.2 – 1.8 kg/m2
Grain size 2/5 mm approx. 1.4 – 2.0 kg/m2
Grain size 5/8 mm approx. 1.6 – 2.2 kg/m2

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

UN-number	No dangerous good in sense of these transport regulations.

CE marking

CE

0988

BORNIT-Werk Aschenborn GmbH
Reichenbacher Straße 117
08056 Zwickau / Germany

2015

6900002677/2018

EN 13808: 2013
Cationic Bituminous Emulsion C60B4-REP
fort he spraying and spreading method

Viscosity	15-70 s (3)
Adhesive behaviour	> 75 % (2)
Breaking-down behaviour	110-195 (4)
Hazardous substances	NPD
DETERMINATION AT THE RECOVERED BINDER:	
Consistency at average temperature of use Needle penetration at +25 °C	<= 220x0,1mm (5)
Consistency at increased temperature of use Softening point, ring and ball method	> 35 °C (8)
DETERMINATION OF DURABILITY Phase 1 – AT THE STABILISED AND BINDER:	
Consistency at average temperature of use Needle penetration at +25 °C	DS (0,1mm) (1)
Consistency at increased temperature of use Softening point, ring and ball method	DS (°C) (1)
DETERMINATION OF DURABILITY Phase 2 – AT THE STABILISED AND BINDER:	
Consistency at average temperature of use Needle penetration at +25 °C	DS (0,1mm) (1)
Consistency at increased temperature of use Softening point, ring and ball method	DS (°C) (1)

Disposal note

Only recycle completely empty containers. Material residues can be disposed of according to AVV-ASN: 080410 (waste adhesives and sealants, except for those falling under 080409).

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.