



K 100 schwarz

PLASTIC-MODIFIED BITUMEN EMULSION

TECHNICAL DATA SHEET

SMART PRODUCT BENEFIT

- free from fillers and solvents
- crack-bridging
- concrete protection coating for liquid manure containers

PRODUCT INFORMATION

K 100 black is a single-component, solvent-free and filler-free sealing compound with a latex-bitumen base. Due to its thixotropic nature, K 100 black can also be brushed, rolled or sprayed onto vertical surfaces.

K 100 black dries to a seamless, film-like coating. After complete drying, the coating is elastic, water impermeable and resistant to naturally occurring materials that attack concrete (e.g. liquid manure).

FIELDS OF APPLICATION

For sealing of basements, foundations and containers against ground moisture and pressurised water. K 100 black is used to establish elastic, lasting seals on structurally sound substrates of concrete, aerated concrete, plaster and masonry. Can also be used as a protective coating or, diluted with water, as a bonding base. The sealing must be applied on the water-facing side. K 100 black is also suitable for sealing new basement structures. For this use, we recommend an initial full-surface coating with K11 Slurry grey or Flex Slurry K11 grey. As primer on slightly damp or highly absorbent substrates for SK 2000 Waterproofing Membrane and as concrete protection coating for liquid manure containers.

PREPARATION OF THE SUBSTRATE

The substrate must be firm, structurally sound, clean and mostly level as well as free of gravel nests, voids, gaping cracks or seams. The surfaces to be coated may not have any residue of oil, grease, dust or other separating layers. Level masonry surfaces must have flush joints. Irregular masonry surfaces with numerous projections and cavities should first be levelled with Trasszementmörtel. Edges and grooves (side length at least 4 cm) must be rounded. Channels in the wall/base area must be created with Barrier Mortar at least 24 hours before start of the sealing work.

K 100 black can also be applied to a slightly damp



substrate, wet spots or standing water must be removed. K 100 black may not be applied to surfaces that are constantly wet because complete drying cannot take place in such locations. On absorbent substrates, a primer coat of K 100 black diluted 1 to 1 with water should be applied as a bonding agent. After the primer has aerated, the coating should be applied. Old bitumen coats require a special process. Please consult with our application centre at telephone no. + 49 (0) 4944 3 0217.

PROCESSING

K 100 black is ready for use and can be applied directly from the container. It is applied with roller, brush or suitable spraying device in two to three even layers. Consumption is approximately 500 g per layer. Each layer must dry completely (a damp finger should not come away discoloured) before the next layer is applied. For better monitoring of the applied layers, we recommend alternating use of K 100 black. The air and structure temperature may range between +5 °C and a maximum of +35 °C during application and drying. Direct sunlight should be avoided. No rain may come into contact with the seal during application and drying. If precipitation threatens, spray Rain Protector on freshly applied K 100 black. Please observe the Rain Protector technical data sheet. In areas at risk of cracks (wall corners, wall and floor connection, pipe passages, etc.) and for sealing against pressurised water, K 100 black Fabric Tape should be worked into the second coating. K 100 black is not suited for sealing of partition and expansion joints. The joints must be dimensioned and executed according to the existing regulations. Joint sealant coming into contact with the coating must be

bitumen-compatible. Guard, drainage and insulation panels must be placed either in front of the completely dried seal or Thick Coat 1K should be applied point-wise to the panels and the panels pressed against the completely dried sealing layer. Separation with a spacer fleece is required if the protective layer could move or deform.

SUBSEQUENT WORK

K 100 black must be completely dried all the way through before subsequent work is performed. Only then are the final sealing effect and mechanical stability achieved, which are required for adding filling material, for example. The sealing must be protected with guard, drainage or insulation panels, whereby point- and line-shaped loads must be avoided. A compatibility test must be performed before other products are applied. Water contact from the substrate side (negative influence) must also be avoided after complete drying.

TOOL CLEANING

Immediately clean tools and affected areas with water. Remove dried residues with Epoxan Cleaner.

STORAGE

Cool and dry. Frost-sensitive.

DELIVERY FORM

Art.-Nr. 30603669 10-kg-bucket
 Art.-Nr. 30140861 25-kg-hobbock

COMMENTS

GISCODE BBP 10

TECHNICAL SPECIFICATIONS AND DATA	
Density	Approx. 1 g/ml
Solids Content:	Approx. 60 %
Viscosity	Approx. 7000 mPa·S
Consumption	Sealing against ground moisture: 2 coatings with approx. 1.0 kg/m ² Sealing against pressurised water: 3 coatings with approx. 1.5 kg/m ²



These instructions reflect the extent of our current knowledge and are the result of extensive testing and practical experience. In view of the multiplicity of the possible applications and storage and processing factors over which we have no control, we cannot guarantee good results in each individual case. We recommend you test the product first before final application. Slight discoloration of sealants can occur under UV-radiation. Slight colour differences between the batches are possible through the production process. No liability can be accepted for absolute colour fidelity. Use material of the same charge-number for a building object. Our technical and commercial advisory service will be pleased to answer your queries.

This data sheet supersedes all previous issues.

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