



# Flex Schlämme K11

## FLEXIBILIZED SEALING SLURRY

### TECHNICAL DATA SHEET

#### SMART PRODUCT BENEFIT

- sealing of buildings
- negative and positive side
- polymer-improved
- good adhesion to substrate
- resistant to frost and sea-water

#### PRODUCT INFORMATION

Flex Slurry K11 grey is a waterproofing of buildings on the positive and negative side. It's a two-component sealing slurry with very high bonding strength to mineral substrates. Structurally sound after only a short time and with a tight seal against water under pressure.

#### FIELDS OF APPLICATION

After initially drying completely, Flex Slurry K11 grey is a long-lasting sealant against pressurised water on both the positive and negative sides. For sealing of cellars, underground garages, concrete elements, tunnels and shafts etc. against ground moisture and pressurised water. Flex Slurry K11 grey can also be used in the area of concrete renovation as a bonding slurry.

#### SUBSTRATES

The mineral substrate must be absorbent, firm, capable of bearing, level and the joints fully mortared. Fill rough pores, gravel nests, brittle joints, gaping cracks and the like with Barrier Mortar. Seams and edges must be broken off and grooves made flush with waterproof mortar. The substrate must be free of gypsum, bitumen, greases and oils, dust, paints and any separating layers. Cement paste layers, lime and binder paints must be milled off or sand-blasted. For sealing of the positive side, substrates with poor firmness must be pre-plastered, for instance with Bostik Levelling Cement. For sealing of the negative side, however, all plasters must be removed and structurally sound substrate established. For salt-afflicted masonry treatment with Bostik Antisulfat should be performed before application of Flex Slurry K11 grey. Flex Slurry K11 grey is a mineral sealing slurry that bridges hairline cracks. If cracks greater than 0.1 mm are expected, flanking measures must be planned. The substrate to be coated must be soaked or well moistened before



application. It should be moistened ahead of time such that the surface is evenly damp at the time the sealant is applied. Standing water must be removed from the substrate to be coated.

#### CONSUMPTION

2.5 - 3 kg/m<sup>2</sup> ( corresponds to 1.5 - 1.8 mm dry layer thickness)

#### PROCESSING

The Powder components of the Flex Slurry K11 grey must be mixed with the liquid components in a slowly turning stirring or mixing machine until a lump-free, homogenous slurry results. The Flex Slurry K11 grey may not be diluted with water. For easier processing, we recommend waiting a minute after mixing, then stirring thoroughly one more times. The slurry can be applied with a swab, brush or suitable spraying device. The sealant should be applied in two stages, each time over the entire surface. The sealant layer must have the sufficient minimum layer thickness at all points. The first sealant layer should not yet be completely dried when the second coating is applied. If the first sealant layer is already dried through, it should be moistened again until evenly damp before the second coating is applied.

#### SUBSEQUENT WORK

Post-treatment is not required. The applied Flex Slurry K11 grey need not be re-wetted during hardening, but should be protected against early drying. It must be protected against rain for at least 24 hours as well as against sunlight and particularly against frost. Flex Slurry K11 can be painted with typical commercial paints after hardening. For sealing of the negative side,

we recommend the application of Bostik K 30 Renovation Render or AK Renovation Render on Bostik Dash Coat to prevent the collection of condensation water. In the ground area, a protective screed should be applied to prevent damage to the sealant. To create channels, we recommend Bostik Barrier Mortar with approx. 10 % Bostik Bonding Agent Concentrate added to the mixing water.

### WORK SAFETY

The hazard definition "irritant" for Flex Slurry K11 grey component A does not apply to the dry powder, but only for moisture or water contact with the powder (alkaline reaction). Contains: cement. Irritates the eyes and skin. Danger of serious eye damage. Sensitisation possible through skin contact. Keep away from children. Avoid contact with the eyes and skin. In the event of contact with the eyes, immediately rinse with water and consult a doctor. **Wear appropriate protective gloves.**

### TOOL CLEANING

The tool and affected areas must be cleaned immediately with water. When completely dried, Flex Slurry K11 grey can only be removed mechanically or with Bostik Kalklöser.

### STORAGE

Cool and dry. Keeps approx. 12 months in original packaging.

### DELIVERY FORM

Art.-Nr. 30122740	Comp. A	15 kg sack
Art.-Nr. 30140590	Comp. B	17 kg canister
Art.-Nr. 30814437	Comp. A+B	20 kg hobbock

### COMMENTS

GISCODE ZP 1

Expansion joints cannot be bridged with Flex Slurry K11 grey.

### TEST CERTIFICATES

Testing according to the code of Deutsche Bauchemie e.V. General appraisal certificate. Tested according to DVGW-W 270.

General building certificate of compliancy (AbZ) as per DIBt test guidelines issued in June 2010, reservoir test: tested with positive result up to 15 m water column, approved up to 6 m crack bridging: as per DIBt test guidelines, tested for 0.4 mm.

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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### TECHNICAL SPECIFICATIONS AND DATA

Colour	grey
Mixing Ratio	3 parts powder : 1 part polymer emulsion, by wight
Potlife	Approx. 2 hours
Substrate and Air Temperature During Application	+ 5 to + 35 °C
Bonding Tensile Strength	Approx. 1.6 N/mm <sup>2</sup>
Compressive Strength	≤ 17.0 N/mm <sup>2</sup>
Flural Strength	≤ 5.0 N/mm <sup>2</sup>



### BOSTIK HOTLINE

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