

Kaubiflex FA Sealing Slurry 1K

Technical Data Sheet

01.12.2021

Flexible, one-component sealing slurry for use under tiles for interior and exterior application.

Properties:

Crack-bridging sealing slurry which hardens without building cracks and which is absolutely watertight and permeable to vapour diffusion after setting as well as resistant to frost and ageing. Kaubiflex FA Sealing Slurry 1K is an one-component product which can be mixed with water on site to attain a sealing slurry which is ready-for-application and can easily be applied using a brush, trowel, sprayer, roller. Resistant to aggressive influences to concrete according to DIN 4030.

Applications:

Suitable for surfaces, which are sufficiently stable as screed and heated screed, concrete, masonry, aerated concrete and plasters classified by mortar groups II and III. Provides waterproofing under tiles at high water exposure, for wet rooms (walls and floors), terraces and balconies. Applicable to seal massive constructed swimming pools and water tanks with a water depth of up to 6 m. Also able for cellar sealing from outside and inside, positive and negative water pressure.

Technical specifications:

Application temperature:	> +5°C
Mixing water to be added:	180 to 260 ml / kg 4.5 to 6.5l / 25 kg
Wet density:	1.5 g/cm ³
Wet layer thickness:	2.5 mm (~2mm dry layer thickness)
Pot life:	approx. 1 hour
Covering possible:	after 1 day
Water pressure possible:	after at least 7 days
SD-value (2mm)	1,0 m

Preparation of the substrate:

The surface has to be solid, supportive, free of gypsum and widely level. Oil, grease or other separating layers have to be removed. Pockets of loose gravel and pinholes as well as uneven areas have to be levelled with mineral filler. Please pre-wet the surface thoroughly before applying Kaubiflex FA Sealing Slurry 1K. The surface should be slightly humid. Please avoid puddles. The remaining humidity must not exceed the following values:

Cement screed:	2.0 %
Anhydrite screed:	0.5 %
Anhydrite screed, heated:	0.3 %



Use:

Favoured consistency is subject to water amount. For application with brush or roll up to 260 ml/kg can be added. Mix the product with 2/3 of the water to attain a lump-free compound. After solubilise add the rest 1/3 water. Apply the compound within one hour. Material, which has already started to set cannot be made applicable again by adding water. The sealing slurry must not be modified with other additives. Apply the Sealing Slurry richly and evenly in 2 or 3 working steps using a hard brush, a wide-paint brush, a trowel or a suitable spraying device. The thickness of the applied coatings must not exceed 5 mm. Pipe penetrations and downpipe should be sealed with Kaubit FA Wall and Floor Sleeve NG / NVV as well as edges and corners with Kaubit FA Sealing Tape NG / NVV. These are inlayed in the fresh first layer and coated with the second. Application for pressure water needs at least 2.5 mm dry thickness with triple coating. Reinforcement with Kaubit FA Sealing Tape NVV and Kaubit FA Wall and Floor Sleeve NVV.

Consumption:

The consumption rate is approx. 1.2 kg/m² per mm layer thickness.



Systemabdichtungsbaustoffe

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Drying time:

The drying period depends on the temperature of the air and building structure, on the air movement and humidity and on the layer thickness of the coating. At a temperature of + 20°C and a relative air humidity of 50 % the drying period is about three hours.

Information on further processing:

It is allowed to walk on Kaubiflex FA Sealing Slurry 1K after 24 hours and the sealing can then be covered with ceramic coverings using commonly used, solvent-free tile adhesives following the thin-bed technique. When working outside of buildings, the coating must be protected against heavy sunshine at higher temperatures during hardening. Before filling up earth respectively before applying protection coatings onto Kaubiflex FA Sealing Slurry 1K the sealing has to be completely dry (1-3 days depending on temperature and air humidity). When filling up material make sure that there is no direct contact between water-binding soil (clay) and the sealed area. Water-binding soils have to be separated from the sealing layer by filling up water-permeable filling material in layers in a 50cm wide area in front of the sealing. Before filling up material the sealing has to set sufficiently (7 days) and has to be protected sufficiently by e.g. gypsum-free trowel plaster, protection and drainage panels; avoid loads on spots or lines.

Cleaning of tools and equipment:

Tools as well as dirty areas have to be cleaned with water immediately after use.

Storage:

Kaubiflex FA Sealing Slurry 1K can be used for a period of 6 months when stored in its originally closed packaging, protected from humidity.

Supplied as:

25 kg bags
42 bags / pallet

Further units available on request.

Safety information:

Kaubiflex FA Sealing Slurry 1K contains cement and thus has been classified as hazardous material according to the German Gefahrstoffverordnung (Dangerous Goods Regulation). Irritating to eyes and skin. Keep away from children. Avoid inhalation of dust. Avoid contact with eyes and skin. In case of contact with eyes rinse thoroughly with water and seek medical advice. Wear suitable gloves during work. When the product has been swallowed immediately take medical advice and present packaging or label.

Disposal:

When set, can be disposed of as building rubble.

For further information, see also Material Safety Data Sheet (MSDS).