

Iso-Koll Adhesive

High flexible, fast curing, two-component sealing slurry for sealing under tiles, for protection of concrete surfaces and for waterproofing of buildings suitable for interior and exterior use.

Properties

Easily applicable, fast setting, flexible sealing slurry with an excellent bonding to mineral surfaces. Non-shrinking and crack-free setting. The sealing slurry is completely watertight against positive and negative pressured water. Permeable to vapour diffusion, impermeable to chlorides as well as resistant to frost and ageing. Effective CO₂-Barrier. Crack bridging over 1 mm even at lower temperatures.

Applications

Suitable for surfaces which are sufficiently stable as screed and heated screed, concrete, masonry, aerated concrete and plasters. Provides waterproofing under tiles at high water exposure, for wet rooms (walls and floors), terraces and balconies. Applicable to seal large-scale constructed swimming pools and water tanks. Also able for cellar sealing and for protecting concrete against oxidation.

Technical Specifications:	
Application temperature	> +5°C
Mixing ratio	1 part by weight A 1 part by weight B
Wet density	1.14 g/cm³
Wet layer thickness	2.9 mm (~2 mm dry layer thickness)
Pot Life	approx. 45 minutes
Time between the coats	approx. 90 minutes
Covering possible	approx. after 4 hours
Surface can be exposed to water pressure	after at least 3 days

Preparation of the substrate

The surface has to be solid, supportive, free of gypsum and generally 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 mineralic Filler. Please **moisten the surface well** before applying Iso-Koll Adhesive. 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

Mix the powder for each coat 1:1 with the liquid component in a clean mixing pail until a lump-free compound is attained. Apply the product richly and evenly using a hard brush, a wide-paint brush, a notched trowel or a suitable spraying device. Apply the ready material mixture within max. 45 minutes. It is not possible to add water or the fluid component to the sealing slurry when it has already started to set. The sealing slurry must not be modified with other additives. Please protect the fresh sealing from rapid water evaporation, exposure to extreme heat, draught, frost and rain. 90 minutes should be allowed between coats.

Consumption

The consumption rate is about 1.6 kg/m² per mm layer thickness.

Drying time

The drying period depends on the temperature, 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 two hours.

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Information on further processing:

The sealing can be covered with ceramic coverings after 4-5 hours and may be walked on Iso-Koll Adhesive after 24 hours. When working outside of buildings, the coating must be protected against direct sunshine and high temperatures during hardening.

Cleaning of tools and equipment:

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

Storage

Iso-Koll Adhesive can be used for a period of 6 months when stored in a cool place in its original closed containers, protected from humidity.

Supplied as:

Component A 10 kg bags

Component B 10 kg cans

Safety Information

Component A of Iso-Koll Adhesive contains cement. Caution: 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 safety data sheet. Component B has not been classified as hazardous material.

Disposal

When set, can be disposed of as building waste.

For further information, see the Health and Safety sheet.

For technical information, support and more installation guides and videos from the expert team at Dukkaboard, visit www.dukkaboard.com/the-knowledge-network