

8.4 Schlüter®-KERDI-COLL



SEALANT ADHESIVE

FOR CONNECTIONS AND JOINTS

Application and Function

Schlüter®-KERDI-COLL is a 2 component sealant adhesive based on a solvent free acrylate dispersion and a reactive cementitious powder.

It is suitable for adhering and sealing overlaps of Schlüter®-KERDI membranes. In addition, Schlüter®-KERDI-COLL can be used to tightly adhere the sealing band Schlüter®-KERDI-KEBA on Schlüter®-KERDI and Schlüter®-DITRA as well as on the Schlüter®-BARA edging profiles.

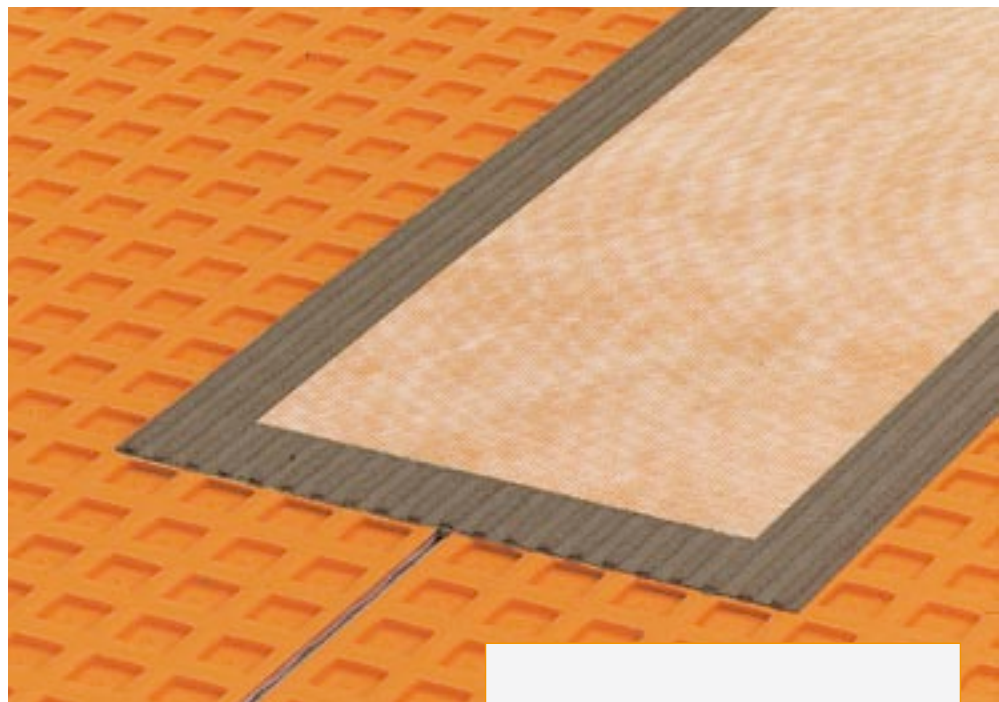
This construction, in conjunction with the materials Schlüter®-KERDI or Schlüter®-DITRA and the corresponding sealing band Schlüter®-KERDI-KEBA, results in a waterproofing assembly that meets the requirements of moisture categories 0-B0 of the German ZDB Information Sheet and the requirements of construction categories A1, A2, B and C for German building permits.

Material

Schlüter®-KERDI-COLL consists of a solvent free acrylate dispersion (Schlüter®-KERDI-COLL-A) with a bulk density of 1.0 kg/l and a reactive cementitious powder (Schlüter®-KERDI-COLL-R) with a bulk density of 1.2 kg/l. The two components are mixed prior to application.

Material Properties and Areas of Application:

Schlüter®-KERDI-COLL can be used for inside and outside areas in conjunction with Schlüter®-KERDI or Schlüter®-DITRA and



the corresponding Schlüter®-KERDI-KEBA sealing bands. The material is suitable for application in wall and floor areas.

In special cases, the suitability of the material must be verified based on the anticipated chemical, mechanical, and/or other stresses.

For preparing the mix in a soft consistency, the packages contain 1.75 kg (large package) or 0.75 kg (small package) of the acrylate dispersion Schlüter®-KERDI-COLL-A and 2.5 kg (large package) or 1.1 kg (small package) of the reactive powder Schlüter®-KERDI-COLL-R. This equals a mixing ratio of 1: 1.4.





The mixing proportion can be varied to a maximum of 1:1 depending on the desired consistency. In this case, the quantity of the reactive powder (Schlüter®-KERDI-COLL-R) is reduced accordingly.

Installation

The compound is used on dry, clean layers of Schlüter®-KERDI or Schlüter®-DITRA as well as on Schlüter®-BARA profiles. The suitability of other substrates must be reviewed and evaluated. Depending on the application, the compound can be applied with a flat trowel and then combed with a notched trowel (3 x 3, 3 x 4 or 4 x 4 mm). If the material is mixed to a thinner consistency, it can be applied with a brush or a roller.

Once the adhesive has been applied, the materials should be assembled as quickly as possible by fully embedding them in the adhesive and avoiding air pockets.

When installing Schlüter®-KERDI-KEBA, it is recommended to press the sealing band into place by applying pressure with the smooth side of the notched trowel at an oblique angle. As an alternative, a suitable pressure roller may be used. Be careful to avoid the formation of air pockets. Please observe the application and installation information listed in our technical data sheets for Schlüter®-KERDI and Schlüter®-DITRA.

The drying and installation time is shorter at higher temperatures and longer at lower temperatures.

The ambient temperature for the installation may not fall below 5 °C until the final curing.

The content of open containers must be utilized within a short period of time.

Safety Note

Schlüter®-KERDI-COLL contains cement that has an alkaline reaction in conjunction with moisture. Wear protective gloves and goggles when working with the material to avoid contact with skin and eyes. In case of contact with the eyes, immediately rinse with plenty of water and seek medical advice. Schlüter®-KERDI-COLL must be stored out of the reach of children.



Product Data:

| | |
|--------------------------------|--|
| Supply unit: | Two-component sealing adhesive in a combined package, available in size 4.25 kg (large package) or 1.85 kg (small). The package contains: 1.75 kg or 0.75 kg acrylate dispersion Schlüter®-KERDI-COLL-A 2.50 kg or 1.10 kg reactive powder Schlüter®-KERDI-COLL-R |
| Storage: | Originally sealed packages can be stored for up to 12 months in areas that are dry and frost protected. |
| Processing time | (20 °C) approx. 60 min. |
| Curing time | (20 °C) approx. 2 hours with air exposure approx. 4 hours underneath Schlüter®-KERDI-KEBA |
| Hazardous substance labelling: | none |
| GISCODE: | Reactive powder ZP1 Acrylate dispersion D1 |

Consumption guidelines for Schlüter®-KERDI-COLL:

1 12.5 cm waterproofing of Schlüter®-KERDI abutting areas:

| | |
|--|-----------------------------|
| Consumption: | approx. 170 g/m |
| Package: 4.25 kg (large) / 1.85 kg (small) | approx. 25 m / approx. 10 m |

2 12.5 cm waterproofing of Schlüter®-DITRA abutting areas:

| | |
|--|----------------------------|
| Consumption: | approx. 360 g/m |
| Package: 4.25 kg (large) / 1.85 kg (small) | approx. 12 m / approx. 5 m |

3 5 cm overlap on Schlüter®-KERDI:

| | |
|--|-----------------------------|
| Consumption: | approx. 70 g/m |
| Package: 4.25 kg (large) / 1.85 kg (small) | approx. 60 m / approx. 25 m |

4 15 + 5 cm sealing of Schlüter®-KERDI connections:

| | |
|--|----------------------------|
| Consumption: | approx. 280 g/m |
| Package: 4.25 kg (large) / 1.85 kg (small) | approx. 15 m / approx. 6 m |

5 15 + 5 cm sealing of Schlüter®-DITRA connections:

| | |
|--|----------------------------|
| Consumption: | approx. 350 g/m |
| Package: 4.25 kg (large) / 1.85 kg (small) | approx. 12 m / approx. 5 m |

6 15 cm sealing of Schlüter®-DITRA and -BARA connections:

| | |
|--|----------------------------|
| Consumption: | approx. 290 g/m |
| Package: 4.25 kg (large) / 1.85 kg (small) | approx. 15 m / approx. 6 m |

