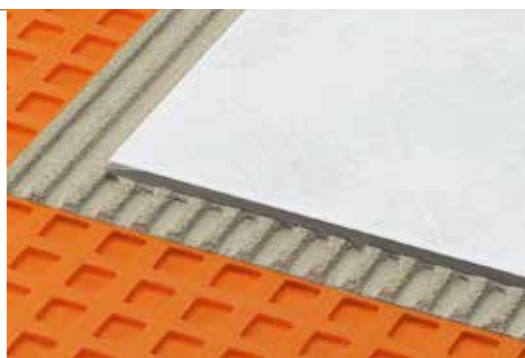


# Schlüter®-DITRA 25

Tile installation over problematic substrates



Bonded uncoupling assembly | bonded waterproofing assembly |  
Vapour pressure equalisation



PROFILE OF INNOVATION





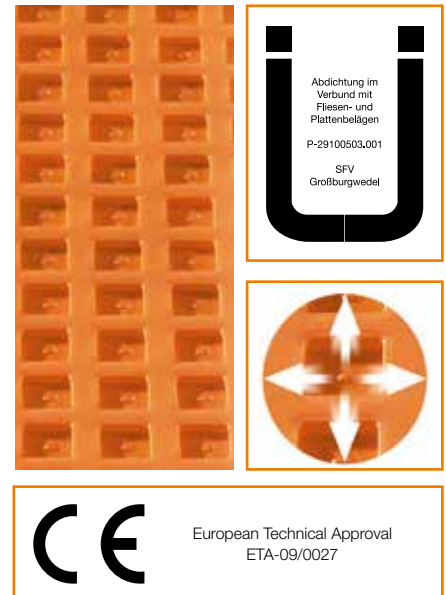
## The grid structure offers many advantages

**Function:** Schlüter®-DITRA 25 is a pressure stable polyethylene membrane with a grid structure of square cavities and an anchoring fleece laminated to its underside. The fleece backing becomes anchored in the adhesive to the substrate. It also prevents the air channels on the underside from being filled with adhesive. With the fleece backing, installation is accomplished using a very thin layer of adhesive. On top of the membrane, the adhesive is anchored into the square, cut back cavities, which are only 2.5 mm deep. Because the cavities are shallow, very little adhesive is required. Schlüter®-DITRA 25 is pressure stable and can be walked upon as soon as it has been adhered to the substrate. Thus, no waiting time is required before setting the tiles.

**Bonded uncoupling assembly:** The square cut back cavities neutralise the stresses between the substrate and the tile covering.

**Bonded waterproofing assembly:** Schlüter®-DITRA 25 is made of a waterproof polyethylene membrane.

**Vapour pressure equalisation:** Interconnected air channels on the underside of the Schlüter®-DITRA 25 matting allow vapour pressure equalisation in installations over moist green substrates.

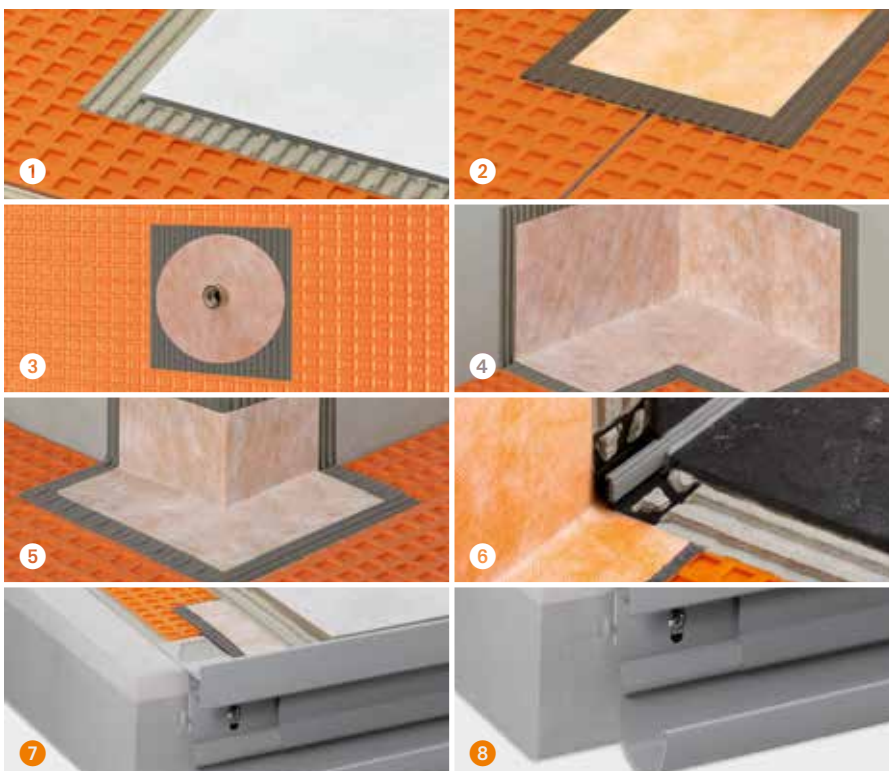


**Schlüter®-DITRA 25** has the official construction approval for use in waterproofing assemblies for the following utilisation classes:

**A Wall and floor areas exposed to process and cleaning water in wet rooms, areas surrounding swimming pools and public showers**

**C Wall and floor areas in rooms with limited chemical exposure e.g. industrial kitchens**

## Problem areas solved simply



**Schlüter®-DITRA 25** uncouples the covering from the substrate, while creating a bonded waterproofing and vapour pressure equalisation layer **1**. Installation recommendations for the waterproofing of joints and wall connections: joints connections **2**. Pipe connections **3**. Internal corners **4**. External corners **5**. Wall connections **6**.

Also, for tile coverings on balconies, **Schlüter®-DITRA 25** creates a reliable bonded waterproofing layer **7**. To finish the balcony edges, we recommend **Schlüter®-BARA-RTKEG**. The aluminium gutter system **Schlüter®-BARIN** can be attached as a drainage channel in a matching colour **8**.



## Waterproofing with Schlüter®-DITRA 25

With careful sealing of the membrane joints and transition areas, Schlüter®-DITRA 25 can be used to create bonded waterproofing assemblies to protect against non pressurised water.



**1** Cut individual courses of Schlüter®-DITRA 25 to size and lay over the floor area to ensure correct coverage. Remove the mat and apply suitable adhesive to the substrate using a 3 x 3 mm or 4 x 4 mm notched trowel.



**2** Install the previously cut individual courses of Schlüter®-DITRA 25 to size and place them into the previously applied adhesive, solidly embedding the anchoring fleece.



**3** Work Schlüter®-DITRA 25 into the adhesive using a float (work in one direction). Abut the side edges and ends of individual mat sections.



**4** At the abutting joints, Schlüter®-DITRA-25 is fully covered with the sealing adhesive Schlüter®-KERDI-COLL-L and the seaming tape Schlüter®-KERDI-KEBA in a width of 12.5 cm. The sealing band must overlap each of the Schlüter®-DITRA 25 courses by at least 5 cm.



**5** Schlüter®-KERDI-KEBA is also used for floor to wall transitions. On the floor, adhere it to the Schlüter®-DITRA 25 on the wall, adhere it directly to the substrate. Available widths: 8.5 cm / 12.5 cm / 15 cm / 18.5 cm / 25 cm.



**6** To create a maintenance free movement joint at the floor to wall transition, we recommend the Schlüter®-DILEX-EK profile.



**7** Immediately after the Schlüter®-DITRA 25 matting has been adhered, the tiles can be installed. For this purpose, fill the square cavities completely with adhesive, using the smooth side of the trowel. Then use the notched side of the trowel to establish a ribbed pattern in the thin-bed adhesive.

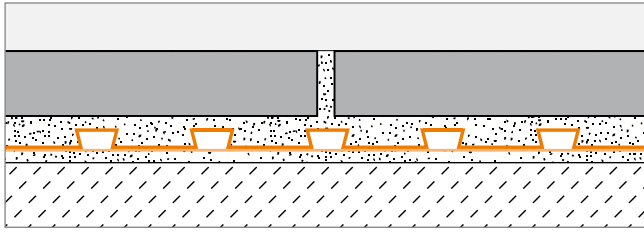


**8** Solidly embed the tiles into the adhesive. Adjust trowel size to the format of the tile. The open time of the adhesive must be observed.



**9** In accordance with industry standards, movement joints in the substrate must be carried through the tile covering. Moreover, divide large surface coverings on top of the Schlüter®-DITRA 25 into smaller fields with movement joints, according to industry guidelines. We recommend the Schlüter®-DILEX movement joint range.

For a more detailed description and installation instructions, please refer to our product data sheet, 6.1 Schlüter®-DITRA 25.



<b>DITRA 25-Roll (30 m x 1 m = 30 m<sup>2</sup>)</b>	<b>Euro Pallet</b>
<b>Art.-Nr.</b>	6 rolls
DITRA 25 30 M	180 m <sup>2</sup>
<b>DITRA 25-Roll (5 m x 1 m = 5 m<sup>2</sup>)</b>	<b>Euro Pallet</b>
<b>Art.-Nr.</b>	22 rolls
DITRA 25 5 M	110 m <sup>2</sup>

### Text template for tenders:

Accurately bond in accordance with the manufacturer's specifications

\_\_\_\_\_ m<sup>2</sup> Schlüter®-DITRA 25 as

- uncoupling matting
- waterproofing and uncoupling matting for tile consisting of a crack bridging polyethylene membrane with a grid structure of square cavities, each cut back in a dovetail configuration and an anchoring fleece laminated to its underside, to an existing, even and load bearing substrate on the
  - floor, consisting of \_\_\_\_\_
  - wall, consisting of \_\_\_\_\_
- with a suitable
- tile adhesive, as suggested by the supplier.
- tile adhesive, type \_\_\_\_\_

Connections to pipes and floor drains

- are to be included in unit prices
- are to be charged as extra.

Material: \_\_\_\_\_/m<sup>2</sup>

Labour: \_\_\_\_\_/m<sup>2</sup>

Total: \_\_\_\_\_/m<sup>2</sup>

### Bonded waterproofing for interior and exterior areas

**Schlüter®-DITRA 25** installed with Schlüter®-KERDI-KEBA and Schlüter®-KERDI-COLL-L together with the tile covering, creates a reliable waterproofing layer for interior wet areas, as well as for balconies and terraces. **Schlüter®-DITRA 25** reliably protects moisture sensitive substrates, such as wood or gypsum based materials.

**Schlüter®-DITRA 25** is not recommended as the primary waterproofing layer for external applications over living accommodation. Contact our Technical Department for correct application requirements.

### Uncouples the covering from the substrate

**Schlüter®-DITRA 25** is the ideal underlayment for problematic substrates, such as:

- Green concrete
- Green, cement based screeds
- Gypsum based screeds with less than 2% residual moisture
- Other load bearing substrates
- Poured bituminous screeds
- Plywood and pressed wood
- Existing tile coverings
- Solid vinyl coverings or coatings
- Mixed substrates e.g. renovations
- Gypsum plaster, blocks
- Mixed masonry (level in advance)
- Metal
- Raised access floors
- Heated substrates

### Vapour pressure equalisation for moist substrates

Interconnected air channels on the underside of the matting allow vapour pressure equalisation in installations over moist green substrates. Therefore, tile coverings over green screeds or concrete are no problem.

Presented by (your construction materials specialist):



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