



Schlüter®-Balcony Systems – proven and lasting performance for balconies



Frost, snow and rain are challenges for every balcony. The balcony assembly is constantly exposed to stresses caused by temperature fluctuations. Failures can only be prevented through the proper construction of an assembly specifically designed to address these stresses. The Schlüter®-Balcony System offers a damage free balcony assembly. The substrate must be a screed or equally load-bearing substrate with a sufficient slope. The Schlüter®-BARA profile, which is designed to accept the Schlüter®-BARIN gutter profile, is installed in the edge area. The waterproofing membrane, Schlüter®-DITRA, is installed with suitable tile adhesive, and tiles are laid directly on top. Schlüter®-DITRA forms a waterproofing layer and protects the substrate from moisture. Due to its special configuration, the membrane is able to equalise the different stresses that occur between the substrate and the floor covering as a consequence of temperature changes. Naturally, the tile adhesive and the tiles used in the assembly must be weather and frost resistant.



Typical problems easily prevented using Schlüter®-Balcony Systems.

Safe waterproofing in a few easy steps:



1. The perforated anchoring leg of the Schlüter®-BARA-RTK edging profile is embedded in the contact layer of tile adhesive and trowelled over completely. Prefabricated corners and connectors are available for inside and outside corners. Abut the profile ends, leaving an approx. 5 mm wide joint and cover the joint with the snap-on connector.
2. Using a utility knife, cut Schlüter®-DITRA to the appropriate size and set the membrane into freshly applied tile adhesive, using a 4 x 4 mm notched trowel. Make sure that the Schlüter®-DITRA membrane abuts the anchoring leg of the RTK profile.
3. Work Schlüter®-DITRA into the adhesive using a float (work in one direction). Abut the side edges and ends of individual mat sections.

Safe waterproofing in a few easy steps:



4. To waterproof the joints, cover the Schlüter®-DITRA with the 15 cm wide waterproofing strip, Schlüter®-KERDI-BAND. Cover the abutting seam areas with the sealing adhesive Schlüter®-KERDI-COLL and fully embed the sealing band Schlüter®-KERDI-BAND.
5. The 15 cm wide waterproofing strip, Schlüter®-KERDI-BAND, is also used for the connection to the profile. Fully cover the cutback profile of the adhesive flange of Schlüter®-BARA-RTK with the sealing adhesive Schlüter®-KERDI-COLL. To cover the tile edge, Schlüter®-RONDEC or JOLLY may be embedded in the tile adhesive before applying the waterproofing strip. In this case, the waterproofing strip must completely cover the perforated anchoring leg.

Detail solutions Schlüter®-balcony construction

6. Schlüter®-KERDI-BAND is also used at floor/wall connections. Ensuring full coverage, simply adhere the waterproofing strip to the Schlüter®-DITRA mat at the floor area and directly to the wall substrate. The width of the waterproofing strip in this case is usually 25 cm. Use the sealing adhesive Schlüter®-KERDI-COLL.
 7. Immediately after the installation of the Schlüter®-DITRA mat, the tiles can be set using the thin-bed method. Apply tile adhesive to the Schlüter®-DITRA mat using a notched trowel (select a trowel that is appropriate for the type and format of the tile) and, ensuring full coverage, embed the tiles in the adhesive. In the edge area of the covering, the tiles should be flush with the drip lip of Schlüter®-BARA-RTK or protrude approximately 10 cm.
 8. Once the covering is completely installed, the Schlüter®-BARIN gutter system can be fastened to the Schlüter®-BARA profile using the included screws. The slotted holes allow for establishing the proper slope, if required.
- All current standards and guidelines, as well as installation instructions, must be observed.

All applied materials must be frost proof, weatherproof, and suitable for exterior applications.



Material and shopping checklist

To install a permanently damage free balcony covering, you will need the following materials:

- ☐ Schlüter®-DITRA [3]*
- ☐ Schlüter®-KERDI KEBA waterproofing strip [4]*
- ☐ Schlüter®-KERDI-COLL sealing adhesive
- ☐ Schlüter®-DILEX-EKE edge profile [5]*
- ☐ Schlüter®-DILEX-BWS movement joint profile
- ☐ Schlüter®-JOLLY or -RONDEC finishing profiles (optional) [6]*
- ☐ Schlüter®-BARA-RTK edge profile [2]*
- ☐ Schlüter®-BARIN gutter system [7]*
- ☐ Frost-proof ceramic or stone tiles [8]*
- ☐ Frost-proof tile adhesive
- ☐ Frost-proof grout

*(See the picture on the page with the balcony cross-section)

Your retail store:

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Material description

Schlüter®-DITRA

Schlüter®-DITRA is a polyethylene membrane with a grid structure of square cavities, each cut back in a dovetail configuration. The anchoring fleece, which is laminated to the underside of the matting, serves to anchor the membrane into the tile adhesive on the substrate. On the topside of the matting, tile adhesive becomes mechanically anchored into the cut-back cavities.

Uncoupling: Schlüter®-DITRA neutralises stresses between the substrate and the tiled surface.

Waterproofing: Schlüter®-DITRA is waterproof and protects the substrate from moisture.

Equalisation of vapour pressure:
Interconnected air channels between the cavities on the underside of the Schlüter®-DITRA matting remain open. This allows moisture in the substrate to evaporate, thus neutralising vapour pressure.

Schlüter®-DITRA delivery units

Schlüter®-DITRA	
Width:	100 cm
Length:	5 m roll, 30 m rolls



Detail solutions

Schlüter®-balcony construction

Schlüter®-BARA-RTK
is a finishing profile for the exposed edges of balconies and terraces that have an existing load bearing and sloped substrate. The profile is made of corrosion treated (chromated), colour coated aluminium and features a special attachment flange for connecting the Schlüter®-BARIN gutter system.

Schlüter®-BARA-RTK delivery units

Schlüter®-BARA-RTK	Balcony edge profile, aluminium
Length:	2.5 m
Colours:	HB - RB - SB - PG - BW - GM

Schlüter®-BARA-RTK/E 90	Outside corner 90°
Colours:	HB - RB - SB - PG - BW - GM

Schlüter®-BARA-RTK/E 135	Outside corner 135°
Colours:	HB - RB - SB - PG - BW - GM

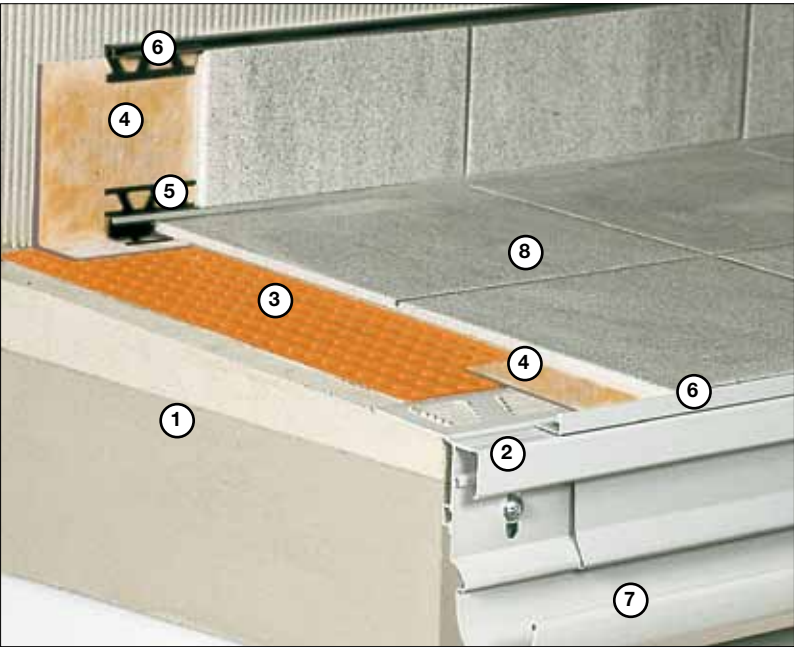
Schlüter®-BARA-RTK/I 90	Inside corner 90°
Colours:	HB - RB - SB - PG - BW - GM

Schlüter®-BARA-RT/V	Connector
Colours:	HB - RB - SB - PG - BW - GM

Colour key:
HB = light beige, **RB** = red brown, **SB** = black brown,
PG = pastel grey, **BW** = brilliant white, **GM** - grey metallic



Balcony cross-section



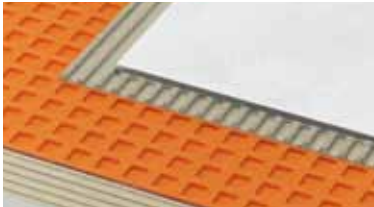
- [1] Substrate with sloped screed surface
- [2] Schlüter®-BARA-RTK 30
- [3] Schlüter®-DITRA
- [4] Schlüter®-KERDI-KEBA
- [5] Schlüter®-DILEX-EKE
- [6] Schlüter®-RONDEC/-JOLLY
- [7] Schlüter®-BARIN
- [8] Ceramic or stone tiles

Other system solutions

Would you like to know more about Schlüter® products and system solutions for tile installation? The following brochures are available from our stockists and distributors. Additional information can be obtained from our website at www.schluter.co.uk.



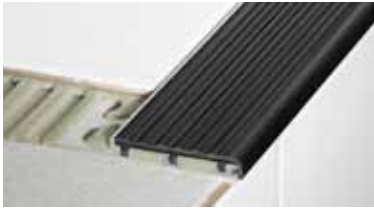
■ Schlüter®-DILEX – Profile system for permanently maintenance free movement joints and corner joints



■ Schlüter®-DITRA – Waterproofing and uncoupling membrane for tile installations over problematic substrates (e.g. wood, plaster, or cracked substrates)



■ Schlüter®-KERDI – Secure waterproofing in just a few steps



■ Schlüter®-TREP – Slip resistant stair nosing profiles



■ Schlüter®-RONDEC and JOLLY – Profile systems for the design and edge protection of wall corners



■ Schlüter®-BEKOTEC-THERM – The ceramic thermal comfort floor



COMPLETE SOLUTIONS FOR NEW CONSTRUCTION AND RENOVATION OF BALCONIES AND TERRACES



INNOVATIVE PROFILES