Schlüter® Systems

PROFILE OF INNOVATION

Schlüter®-DITRA-SOUND

Bonded impact sound insulation

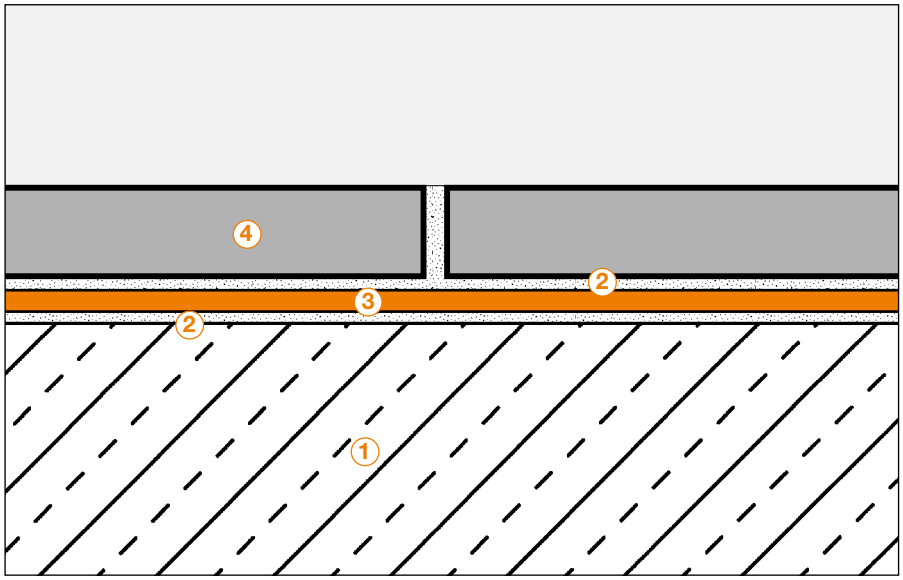



Schlüter®-DITRA-SOUND

Innovative bonded impact sound insulation

Schlüter®-DITRA-SOUND is a 3.5 mm thick bonded impact sound insulation product made of heavy polyethylene mat for tile coverings. A fleece fabric is laminated on both sides for bonding with the tile adhesive.

Schlüter®-DITRA-SOUND reduces the impact sound of floor constructions by 13 dB (test values according to DIN EN ISO 140-8, BS EN ISO 140-8). The mat is embedded in a thin-bed adhesive that matches the requirements of the substrate, with the fleece mechanically anchoring in the adhesive layer. The tile covering is installed directly over **Schlüter®-DITRA-SOUND** in accordance with the applicable standards, using the thin-bed method. The tile adhesive firmly bonds to the fleece on the topside of the mat, which results in a fully bonded floor assembly. The **Schlüter®-DITRA-SOUND** edge strips DS RSK 630 and joint covers DS KB 38 prevent the formation of sound bridges.



1. **Load bearing substrate.**
2. **Thin-bed adhesive**
   as required for the ceramic tiles or the substrate.
3. **Schlüter®-DITRA-SOUND**
   3.5 mm heavy polyethylene mat.
4. **Ceramic tiles or natural stone.**

Schlüter®-DITRA-SOUND
Installation

1. Install the self adhesive edge strip **Schlüter®-DITRA-SOUND-RSK** along the walls or upright construction fixtures.

2. Dry lay individual courses of **Schlüter®-DITRA-SOUND** ensuring joints are tightly abutted. Apply thin-bed adhesive over the clean, load bearing substrate with a notched trowel (recommended size 3 x 3 mm or 4 x 4 mm).

3. Lay **Schlüter®-DITRA-SOUND** mat into the wet adhesive, ensuring joints are tightly abutted.

4. Use a float or roller to press **Schlüter®-DITRA-SOUND** fully into the adhesive.

5. Cut the edge strip **Schlüter®-DITRA-SOUND-RSK** with a knife (making sure that the tile covering has no direct contact with the wall or any upright construction fixtures after installation).

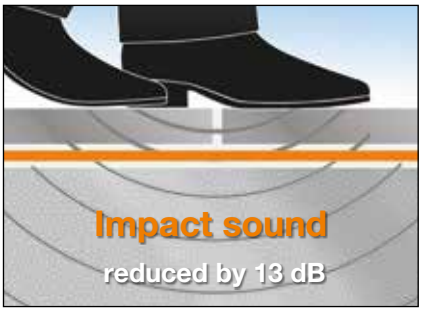
6. To avoid sound bridges, cover all joints with the self adhesive joint tape **Schlüter®-DITRA-SOUND-KB**.

7. Use **Schlüter®-DILEX** profiles for neat floor to wall transitions.

8. The tiles may be installed immediately after the installation of **Schlüter®-DITRA-SOUND**.

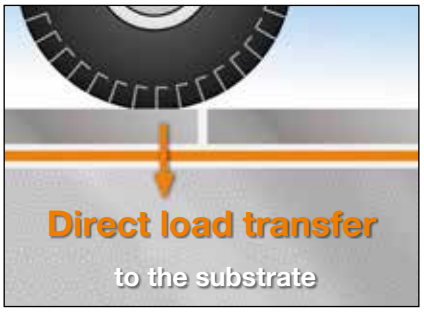
Note:
In conjunction with **Schlüter®-KERDI**, **Schlüter®-DITRA-SOUND** provides a waterproof assembly for ceramic tile and natural stone applications.

Schlüter®-DITRA-SOUND
Functions



Effective sound insulation
Schlüter®-DITRA-SOUND
minimises impact sound by 13 dB according to EN ISO 140-8 (BS EN ISO 140-8)

Low construction height
Schlüter®-DITRA-SOUND
is only 3.5 mm thick



Direct load transfer
Schlüter®-DITRA-SOUND
can bear loads up to max. 5 kN/m²

What is impact sound?

The transmission of noise to other rooms, which can be caused by walking or dropped items, is called impact sound transmission. Structure borne noise creates vibration in floors and concrete/wooden beam ceilings. These construction components transmit the structure borne noise as airborne noise. To the human ear, a noise that is 10 dB sounds twice as loud.

50% noise reduction

The impact sound reduction of 13 dB achieved by **Schlüter®-DITRA-SOUND** means that the impact sound perception is cut by more than half.

Schlüter®-DITRA-SOUND
Product series

Impact sound insulation panel	
	
H = mm	75 x 55 cm = 0.4 m²
3.5	Art.-No. DITRA-S 355

Edge strip

6 x 30 mm x 10 m
Art.-No. DS RSK 630

Joint tape

38 mm x 50 m
Art.-No. DS KB 38

Would you like to find out more?

This brochure provides a small glimpse of the many system solutions Schlüter®-Systems offers. For more detailed information about our products, please refer to our current Illustrated price list. It contains complete information about heights, colours and materials and will help you find the right product for your specific application. Ask for your own copy of the Illustrated price list today.

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For immediate information, you can also visit our website:

Click www.schluter.co.uk

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