

Schlüter®-REFLEECE

Removable fleece
 PET fleece for tiles and natural stone

20.1

Product data sheet

Application and function

Schlüter-REFLEECE is a fleece mat made of recycled PET with a bonding layer laminated on the underside. It is suitable for creating easily removable tile and natural stone coverings on floors. The self-adhesive underside of REFLEECE easily detaches from the substrate during removal without damaging the sub-floor.

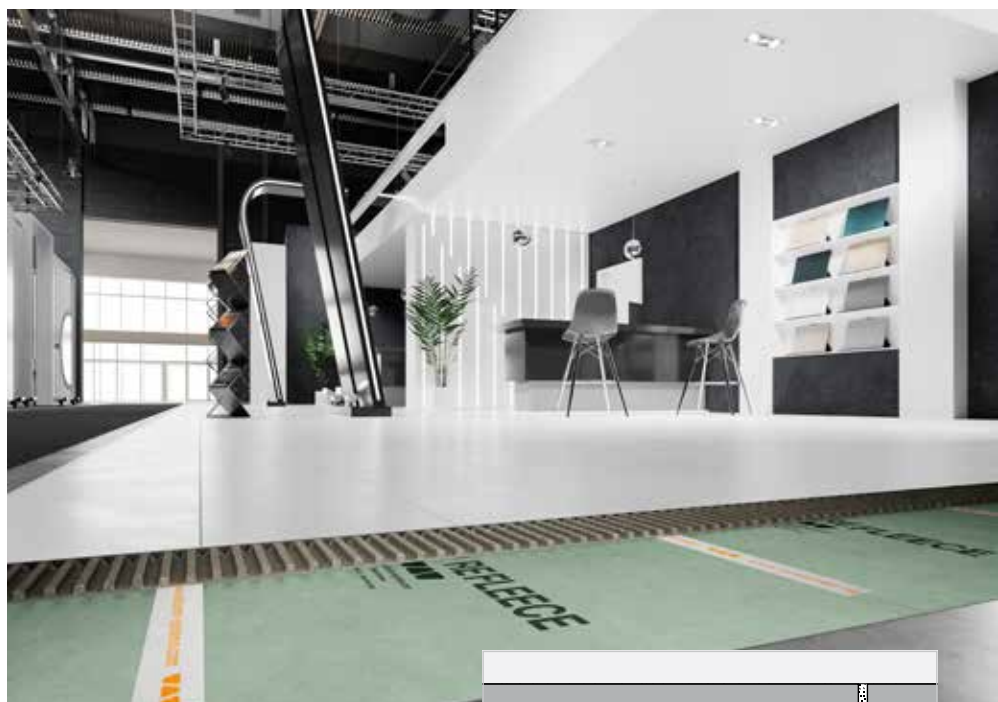
Material

Schlüter-REFLEECE is an 0.85 mm fleece fabric made of PET (polyethylene terephthalate) with a special solvent-free and plasticiser-free bonding layer laminated on the underside.

REFLEECE with its bonding layer on the underside is not UV-stable in the long term; the product should not be stored in places with prolonged exposure to direct sunlight. REFLEECE can be stored in dry conditions above freezing (5-30°C) for at least 18 months.

Material properties and areas of application:

Schlüter-REFLEECE is a non-rotting fleece with a self-adhesive bonding layer on the underside for use in residential and retail environments, designed for installation in interior spaces without moisture exposure, in which no permanent dynamic loads are expected. It is suitable for installing easily removable tile and natural stone coverings on surfaces where a permanent covering is not feasible or desired. This includes e.g. exhibition halls, buildings protected as historic monuments or residential and commercial lease properties.

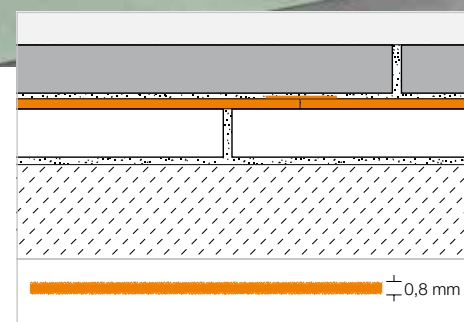


REFLEECE is resistant to moisture associated with the cementitious tile adhesive used for installing the top covering or with cleaning. Tiles installed over REFLEECE in floor areas should have a minimum size of 10 x 10 cm and a thickness of at least 5.5 mm.

Impact sound insulation

An impact sound improvement value (ΔLW) of 9 dB was measured (according to DIN EN ISO 10140) in fully installed REFLEECE assemblies.

The actual improvement offered by the respective assembly depends on the local conditions (structural design) and can deviate from this value. The measured test values therefore don't apply equally to every building situation.





Substrates

Always check the substrates on which REFLEECE is to be installed to make sure they are flat, load-bearing, clean and compatible with the materials to be used. Remove all surface components that may weaken the bond.

REFLEECE is suitable for installation over heated floor assemblies. In this case, the applicable regulations for conventional heated screeds in conjunction with tile coverings must be observed.

The surfaces of the substrates to be covered must be load-bearing and suitable for attaching the self-adhesive bonding layer of the fleece. REFLEECE can only be installed over permanently adhered substrate assemblies. Floating assemblies cannot be covered with a rigid top covering.

The compatibility of the bonding layer with the substrate must be verified in advance. REFLEECE may only be installed on substrates that are free of solvents and plasticisers.

Any residue of the bonding layer remaining on the substrate after peeling off the removable fleece can easily be washed off with clean, lukewarm water. REFLEECE is fully recyclable.

Notes on movement joints:

Separate the removable REFLEECE layer over existing movement joints. Continue the movement joints in the tile covering as specified by the applicable standards. Otherwise, divide large coverings installed above the REFLEECE layer into sections, using movement joints according to the applicable standards.

We recommend using the profiles of the Schlüter-DILEX family. Arrange profiles such as Schlüter-DILEX-BT or Schlüter-DILEX-KSBT over existing expansion joints depending on the anticipated structural movements.

It is important to prevent stress build-up at the edges of the covering, for instance at upright structural components or at floor-wall transitions. Perimeter movement joints and connection joints must be constructed according to the applicable technical regulations and have sufficient dimensions to prevent stress build-up. We recommend using the profiles of the DILEX family.

Installation

1. Always check the substrates on which Schlüter-REFLEECE is to be installed to make sure they are flat, load-bearing, clean and compatible with the materials to be used. Remove all surface components that may weaken the bond.
2. Thoroughly vacuum the substrate prior to installation to remove all dust.
3. Roll out the REFLEECE sheets and cut them to the necessary size. Then align the mats and press them evenly on the substrate, using a float or roller.
4. Attach the self-adhesive Schlüter-DIT-RA-SOUND-KB sealing tape over all abutting joints and floor-wall transitions. To prevent any damage to the installed REFLEECE material or detachment from the substrate, protect the area from mechanical stresses, e.g. by setting out running boards (particularly in areas used for material transport).
5. Tiles can be installed immediately after adhering REFLEECE, using the thin-bed method. Use the smooth side of the trowel to apply cementitious tile adhesive to the fleece surface and then create grooves with the notched side.
6. Fully embed the tiles in the adhesive. The notch size of the trowel must match the tile format to achieve solid bedding of the tile. Observe the curing time of the adhesive.
7. Continue the movement joints from the substrate in the tile covering as specified by the applicable regulations. Otherwise, divide large tile coverings installed above the REFLEECE layer into sections with movement joints according to the applicable regulations. We recommend using the profiles of the Schlüter-DILEX family.

Note:

The cementitious tile adhesive and the covering material used in conjunction with Schlüter-REFLEECE must be suitable for the respective floor area and meet the corresponding requirements.

Removal:

8. Separate the tile covering at the joints with an appropriate tool. The insertion depth of the tool must be chosen to avoid any damage to the permanent substrate. Depending on the size of the tiles, it may be advisable to divide the tile material into smaller pieces.
9. Now use a vacuum lifting tool to pull up the separated tile pieces, together with the tile adhesive and REFLEECE, for disposal.
10. Thoroughly vacuum the substrate and clean it with clean water or a suitable detergent.

Note:

Wooden or natural stone substrates may need additional treatment steps as specified by the manufacturer after cleaning the surface.



Product overview:

Schlüter®-REFLEECE

Removable PET fleece

Roll	width
30 m	1 m

Schlüter®-DITRA-SOUND-KB

Joint covering strip

Roll	width
50 m	38 mm



Text template for tenders:

_____m² Schlüter-REFLEECE as a removable covering made of PET fleece with a special bonding layer laminated on the underside for reversible attachment of the mat to the substrate, to be supplied and professionally installed according to the manufacturer's instructions on a level and load-bearing substrate, including the required joint covers with Schlüter-DITRA-SOUND-KB.

Joint covers

- are to be included in the unit prices.
- are to be invoiced separately.

Material: _____ £/m²

Labour: _____ £/m²

Total: _____ £/m²

