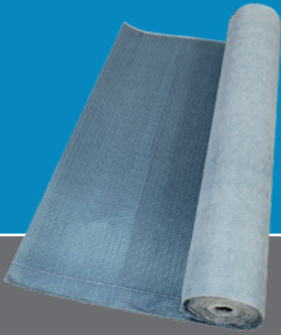


# SCHÖNOX RENOTEX 3D

## Multi-Dimensional Reinforcement Fabric

Component of the SCHÖNOX RENOTEX 3D System. To be combined with SCHÖNOX AP RAPID PLUS and suitable Sound Insulation Underlayers over wooden substrates to create a floating construction improving the Impact Sound Insulation and Sound Transmission Rate as well as thermal Insulation. The SCHÖNOX RENOTEX 3D System is a self-bearing, fire rated construction following the relevant standards construction in the Multi Family, Student Home or Senior Housing markets.



### Product characteristics

- component of the SCHÖNOX RENOTEX 3D System
- reinforcing, self-supporting
- designed for floating floor constructions
- to be combined with SCHÖNOX AP RAPID PLUS (above 1/2")
- for interior use only

### Applications

**SCHÖNOX RENOTEX 3D is a multi dimensional reinforcement fabric designed to be combined with SCHÖNOX AP RAPID PLUS on sound insulation underlayers to improve sound and thermal insulation in residential areas prior to install**

- resilient floor coverings
- hard wood
- ceramic tiles and natural stone

### Substrate

**The SCHÖNOX RENOTEX 3D System is designed for**

- wooden substrates such as plywood, OSB board or timber in residential areas
- any other suitable substrate, where sound and/or thermal insulation or decoupling is relevant

### Requirements of substrate

- Subfloors must be smooth, sound, clean, dry and free of any contaminants which may hinder adhesion or migrate into the following system.
- Existing residues/contaminants may be decoupled installing a suitable seamless plastic prior to install the sound insulation underlayer.
- The substrate must be structurally sound to provide a suitable subfloor to an elastic sound insulation underlayer.
- Surface treatments or any "friable" areas of the subfloor must be mechanically removed and the substrate repaired with SCHÖNOX repair compounds as required
- All slabs on or below grade level must be known to have an intact vapor retarder directly beneath the concrete in accordance with the relevant standards. If in doubt, please contact our SCHÖNOX representative for further advice.
- This system is not a vapor barrier and will allow free passage of moisture.
- Before applying the SCHÖNOX RENOTEX 3D System, a Moisture Vapor Emission Rate per ASTM F-1869 or a relative humidity of the concrete, using ASTM F-2170 must be obtained. Where moisture readings exceed acceptable limits, then application of

SCHÖNOX SDG PLUS or SCHÖNOX EPA may be used to suppress residual moisture (see data sheet). Always follow the directions of the floor covering manufacturer regarding the maximum allowable substrate moisture content and test the substrate prior to installing the SCHÖNOX RENOTEX 3D System.

### Priming

- no priming required if installed as a floating construction

### Recommended method of working

- Prepare existing substrate as required filling any joints, voids and breakout with SCHÖNOX Repair Mortars or Patching Compounds.
- The high density, walkable Sound Insulation Underlayer (dynamic stiffness of  $\leq 40 \text{ MN/m}^3$ ) is cut to shape and loose laid sheet to sheet covering the entire substrate avoiding any voids/joints between the sheets.
- Install SCHÖNOX R550 Foamtape to any vertical structure (affixing the self-sticking lip to the sound underlayer) decoupling the following system to improve the sound transmission and avoiding the self leveling SCHÖNOX AP RAPID PLUS to flow underneath the Insulation Underlayer.
- The multidimensional glass fiber fabric SCHÖNOX RENOTEX® 3D is cut to shape and loose laid sheet to sheet with the felt-backing to the bottom considering an overlap of approx. 2". The fabric is industrially flattened alongside to avoid over heights where overlapped.
- Leave a gap of approx. 1/8" to vertical structures avoiding congestions at the perimeters.
- Mix the Hybrid-Active-Dry-Technology based self-leveling compound SCHÖNOX AP RAPID PLUS following the technical data sheet and completely cover SCHÖNOX RENOTEX 3D to a minimum thickness of approx. 12mm / 1/2" avoiding SCHÖNOX AP RAPID PLUS to flow underneath the fabric at perimeters and overlaps.
- Smooth the surface of the fresh leveling compound using a smoothing trowel from a standing position.
- At the minimum thickness, the Hybrid-Active-Dry-Technology of SCHÖNOX AP RAPID PLUS allows to install any type of floor covering after approx. 16 hours.
- If a thin finishing, second lift of leveling compound is to be applied, prime the first layer with SCHÖNOX KH FIX after drying.

### Technical data

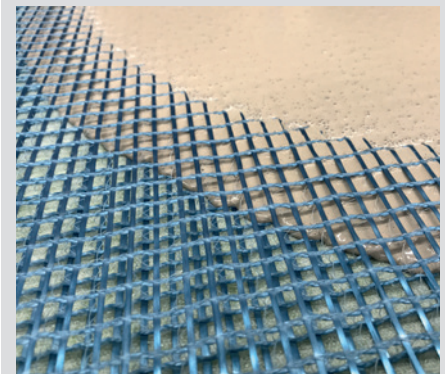
#### SCHÖNOX RENOTEX 3D

- Basis: glass fiber, PES
- Color: blue & white
- Thickness: approx. 10 mm / 3/8"
- Roll width: 2 m / 6.5 t
- Roll length: 25 m / 82 ft
- Roll weight: approx. 33 kg / 73 lb
- Grammage approx.: 640 g/m<sup>2</sup> / 0.14 lb/sq.ft.

#### SCHÖNOX RENOTEX 3D System

- System height: approx. 25mm / 1"
- Impact Insulation (ASTM E989-06): above IIC50 / STC50 (on wood)
- Sound Transmission (ASTM E2179 Delta Test): dIIC25 (on concrete)
- UL Fire Resistance Directory: R38619
- System weight: approx. 23,3 kg/m<sup>2</sup> / 4.8 lb/sq.ft.
- ASTM C627 (Robinson): 'light commercial'

Depending on type of flooring and installation method, subsequently installed floor coverings may add a dIIC of approx. 2 (vinyl) up to approx. 8 (action backed carpet) to the construction.



# SCHÖNOX RENOTEX 3D

- Uncoupling systems such as the SCHÖNOX RENOTEX 3D system will leave a 'air layer' underneath, which may affect the temperature transfer of a floor heating systems to the topping.

## Packaging

- 50m<sup>2</sup> / 538sq.ft. per roll

## Storage

- Store vertical/upstanding in cool, dry conditions avoiding any deformation.
- Shelf life: 2 years

## Disposal

- Dispose of in accordance with federal, state and local waste disposal regulations.

## VOC Content

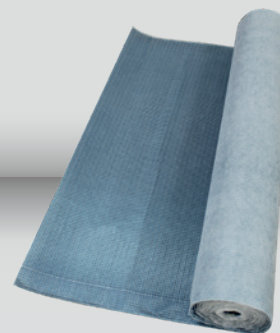
- 0g/l (calculated), SCAQMD 1168

## LEED

May contribute to LEED v4 in categories:

- EQc2 - 3 points  
Low-Emitting Materials

Prior to each use of any SCHÖNOX product, the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [www.schonox.us](http://www.schonox.us), or by calling the HPS SCHÖNOX Technical Service Department at 855-391-2649. Nothing contained in any SCHÖNOX materials relieves the user of the obligation to read and follow the warnings and instruction for each SCHÖNOX product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to product use. This product data sheet supersedes all previous editions.



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