

# SCHÖNOX TS

## Impact sound insulation underlayer



Suitable for improving impact sound insulation, heat insulation and living comfort in residential areas.



### Product characteristics

- EMICODE EC 1<sup>PLUS</sup>: very low emission
- Can be installed on floors and walls
- smooth surface to bond to following adhesives
- easy and fast installation
- suitable on underfloor heating systems
- suitable for castor wheel loadings
- reduces the formation of walking lines on carpets
- high impact sound insulation
- improves heat insulation
- improves walking comfort
- low weight per square foot
- fulfills ASTM C627 (Robinson) for 'residential'

### Applications

**SCHÖNOX TS is a special cork-urethane-granules underlayer for improving impact sound insulation, heat insulation and living comfort in residential areas suitable for installations:**

- under resilient floor coverings such as vinyl, cushioned vinyl or carpet (minimum 20 mils)
- under wood flooring (engineered wood, tongue and groove) and laminate (tongue and groove)
- on wood substrates such as plywood, OSB boards
- on old, well bonded floor coverings such as vinyl, wood flooring or ceramic tiles
- on stable wall substrates such as drywall, concrete masonry units or plywood, OSB.

### Requirements of substrate

- Subfloors must be smooth, sound, clean, dry and free of any contaminants which may hinder adhesion.
- Surface treatments or any "friable" areas of the subfloor must be mechanically removed and the substrate repaired with SCHÖNOX repair compounds or underlays as required.
- Old adhesives should be removed completely. Do not use any chemicals to prepare approved substrates.
- Always clean and lightly sand old, existing floor coverings.
- All slabs on or below grade level must be known to have an intact vapor retarder directly beneath the concrete in conformance to the relevant standards. If in doubt, please contact our SCHÖNOX representative for further advice.
- Before applying SCHÖNOX TS, 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 MR 18, SCHÖNOX EPA or SCHÖNOX EPA RAPID 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 SCHÖNOX TS.

■ The requirements of the relevant valid standards, guidelines and data sheets apply.

### Recommended method of working

- Always acclimate accordingly prior to the installation.
- Precut SCHÖNOX TS in released condition as required. SCHÖNOX TS is laid out sheet to sheet, but 90° to the proposed direction of the floor covering to be installed.
- SCHÖNOX TS is fully bonded to the properly prepared substrate and rubbed or rolled down after installation. We recommend to use SCHÖNOX EMICLASSIC, General Purpose Acrylic Adhesive, to install SCHÖNOX TS to suitable substrates and to install suitable floor coverings to SCHÖNOX TS following the technical data sheet.
- Suitable wood flooring (engineered wood, tongue and groove) is installed using a suitable Wood Floor Adhesive.
- After installing SCHÖNOX TS using SCHÖNOX EMICLASSIC, SCHÖNOX APF may be installed over SCHÖNOX TS at a minimum thickness of 1/4" (after priming with SCHÖNOX SHP) achieving loading capability and impact sound insulation as mentioned above following ASTM C627 and ASTM E2179.
- When installing SCHÖNOX TS over wood substrates or ceramic tiles, prepare voids and joints with SCHÖNOX FP accordingly to avoid telegraphing after intensive use of the new floor covering.
- Always install an adequate number of properly located test areas to include the finish flooring, to determine the suitability of the product for its intended use.
- As the resistance of resilient floor coverings to castor wheels and indentation can be affected when installed to SCHÖNOX TS, always contact and rely upon the floor covering manufacturer for specific directions such as substrate requirements, adhesive selection and intended end use of the product. If higher loadings are to be expected, SCHÖNOX RENOTEX may be embedded into a skim coat of SCHÖNOX APF or SCHÖNOX HS STURDY over SCHÖNOX TS to reduce the risk of indentations (minimum 1/4").

### Technical data

- Basis: granules of cork and urethane
- Color: brown / black mix
- Material thickness: appox. 3 mm / 1/8"
- Sheet width: 1,00 m / 3.28 ft
- Roll length: 20 m / 65.61 ft
- Roll weight: approx. 33 kg / 72.75 lb
- Mass per unit area: approx. 1,65 kg/m<sup>2</sup> / 0.34 lb/sq.ft.
- Impact Insulation Class:
  - approx. 17 dB following ISO 10140 (sound improvement without floor covering)
  - dIIC 20dB following ASTM E2179 (increase in impact insulation when installed underneath SCHÖNOX APF)
- Thermal insulation: approx. 0.04 m<sup>2</sup> K/W following ISO 8302
- Temperature resistance:
  - 30°C up to +80°C / -22°F up to 176°F



# SCHÖNOX TS

■ SCHÖNOX cannot be held responsible for plasticizer migration from old resilient floor coverings resulting in discolorations of the new floor covering to be installed. When necessary, reduce the risk of plasticizer migration of non-porous resilient floor coverings by applying SCHÖNOX SHP prior to a skim coat of SCHÖNOX SL or SCHÖNOX HS STURDY.

## Packaging

■ 20 m / 65.61 ft. per roll / 11 rolls per pallet

## Storage

■ Store vertical/upstanding in cool, dry conditions avoiding any deformation.  
■ Shelf life: 1 year

## 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.hpsubfloors.com](http://www.hpsubfloors.com), 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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to ISO 9001 and 14001 by SQS.

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