

SCHÖNOX RENOTEX 3D SYSTEM

Versatile Thin-Layer Screed System
For a range of flooring applications.



FOR PROFESSIONALS SIMPLY BETTER.

www.schoenox.com

 **SCHÖNOX**[®]
A SIKA BRAND

| Versatile Thin-Layer Screed System
For a range of flooring applications. |

| Fast And Highly Loadable –
Even Suitable For Almost
Non-Bearing Substrates. |

The new SCHÖNOX RENOTEX 3D SYSTEM is an innovative alternative to dry screeds for building projects, where a conventional screed is not suitable, due to the buildings load-bearing capacity. The patented mesh in combination with SCHÖNOX HS 50 allows extremely thin layers of screed to be applied. With a minimum layer thickness of only 14 mm this offers probably the “thinnest floating screed in the world”, whilst also remaining hardwearing and heavy duty. Can be installed with insulation.



**SCHÖNOX RENOTEX 3D -
3-dimensional mesh**

- Low installation height
- High impact sound protection
- Very low weight
- Minimal preparation required
- Unique patented Sika technology



**SCHÖNOX HS 50 -
Thick layer levelling compound
with Hybrid-Active-Dry Technology**

- Extremely quick drying
- Pumpable
- Self-leveling
- Very low tension



**SCHÖNOX RS 50 -
Foamed edge adhesive strips**

- Requires no additional sealing
between subfloor and edge strips

SCHÖNOX RENOTEX 3D SYSTEM

The SCHÖNOX RENOTEX 3D SYSTEM is innovative with unique features and benefits that promotes impressive speed of installation.

Low weight

The SCHÖNOX RENOTEX 3D SYSTEM has a low weight per unit area of 26 kg/m².



Speed of cure

The SCHÖNOX RENOTEX 3D SYSTEM cures quickly in a range of climates and conditions, ready for the floor covering within 48 hours of installation.



High impact sound improvement

Low installation height from 14 mm, and 26 mm when including impact sound insulation (mineral wool).



High impact sound improvement

With a build-up of 28 mm, SCHÖNOX RENOTEX 3D SYSTEM reduces sound impact by up to 23 dB!

Crack bridging

As floating build up, the system can easily bridge existing cracks in the subfloor.



Fire rating class A2

Non-flammable - therefore ideal in public buildings such as schools, nursing homes, hospitals, hotels, etc.



Sika Patented technology

The SCHÖNOX RENOTEX 3D SYSTEM is patented in various countries.



Suitable for most coverings

The SCHÖNOX RENOTEX 3D SYSTEM can be covered with almost all floor coverings and coatings.



Easy installation

The system is easy to install, saving time in comparison to traditional dry screed systems.



Highly loadable

Can accommodate single loads of up to 4.0 kN and area loads of up to 5 kN/m², ideal for industrial buildings.



**RAPID
INSTALL!**
HYBRID-TECHNOLOGY
by SCHÖNOX®

| The Application

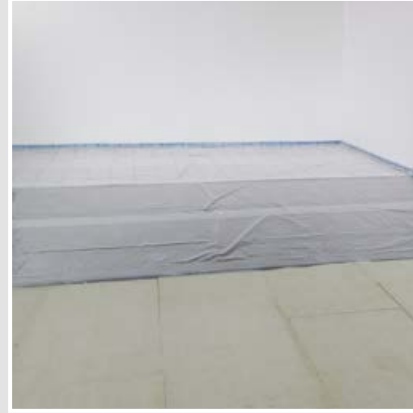
The SCHÖNOX RENOTEX 3D SYSTEM is quick and easy to install, saving time in comparison to traditional dry screed systems
Installation Steps:



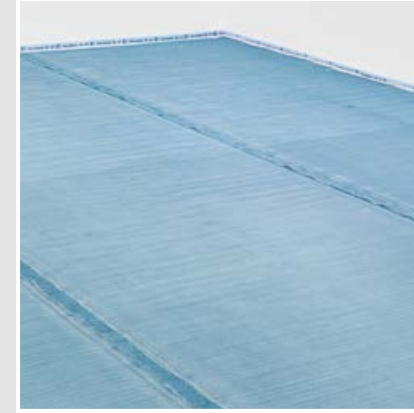
1 SCHÖNOX RS 50 to be installed to all vertical elements.



2 Depending on the build-up, a protective PE-foil may be required at approximately 100µ in thickness.



3...If required, the protective PE-foil must be laid on the entire substrate and beneath the SCHÖNOX RENOTEX 3D SYSTEM.



8 Cover the whole area with the SCHÖNOX 3D net.



9 Apply SCHÖNOX HS 50 leveling compound. For larger areas, the use of a high power mixer and pump device is recommended.



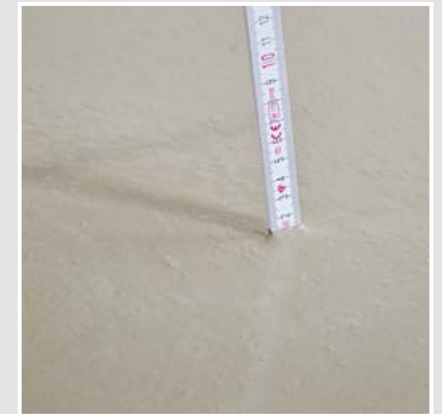
4 Determine the coverage of the SCHÖNOX 3D net according to the size of the room and the required overlap, cut the mesh to size in advance if necessary.



5 Leave a distance of at least 10 mm to the edge-strip.



10 IMPORTANT: Do not pour the leveling compound directly onto the overlap area.



11 The complete system is achieved at just 14mm prior to any impact sound insulation.



6 The SCHÖNOX 3D net is installed overlapping on the long side.



7 The fleece-backing has a recess of approx. 9 cm on one side. Place the side with the recess upwards, so that the levelling compound can run through.



12 The SCHÖNOX HS 50 leveling compound will be fully cured and ready for sanding after approx. 12 hours.



13 After 48 hours, the system is ready for the application of desired floor covering.

Possible Applications For The SCHÖNOX RENOTEX 3D SYSTEM...

...on almost all non-bearing substrates



Fast and heavy-duty screed system

- Extremely thin layer
- Highly resilient
- Fast drying
- Suitable for almost all floor coverings

...on various under-floor heating systems



Can be used with almost every subfloor heating system

- The low installation height ensures effective heat transfer, minimising potential energy loss

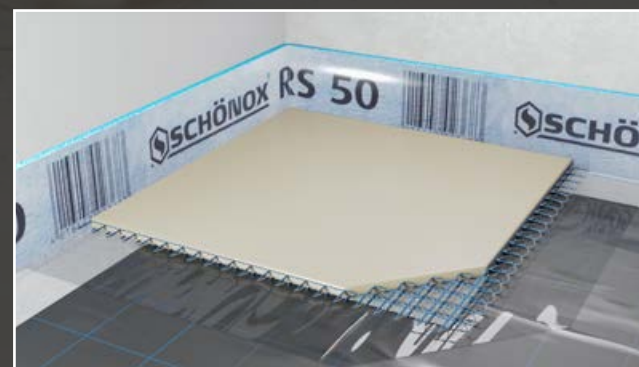
...on insulation layers



Effective impact-sound improvement for a range of demand

- Very low installation height therefore ideally suited for renovation purposes
- An impact sound improvement of 23 db (in accordance with EN 140-8) can be achieved with an installation height of 28 mm

...on existing waterproofing sheets



Ideally in cases where a normal waterproofing layer is damaged or missing (including special membrane underneath)

- Perfectly suited for renovation projects

...on old wooden floors



The ideal alternative to dry screeds

- Perfect for loft conversions
- Low weight
- Easier to use than dry screed systems
- Can be easily combined with impact sound insulation

The requirements for each system build-up depend on the components used. Please refer to the product data sheet for further details.



Case Study

- Project:** Old building in Berlin Friedrichshain-Kreuzberg, Renovation to become the headquarter of a famous sports-goods manufacturer
- Construction period:** December 2019 to February 2020
- Area size:** 3600 m² spread over 4 floors realized in 4 construction phases
- Final use:** Open space office
- Contractor:** Carl Jensen, Hamburg
- Products:** SCHÖNOX RENOTEX® 3D SYSTEM with the components
- SCHÖNOX RS 50 edge strips
 - SCHÖNOX RENOTEX® 3D fabric
 - SCHÖNOX HS 50 system leveling compound „Hybrid“

A famous sporting goods manufacturer planned to merge their offices to one new German headquarter in Berlin. But the chosen building offered a master challenge for the floor fitter before the stylish floor coating could be applied. The existing concrete sub-floor did not have the needed substance in terms of load bearing capacity and inadequate tensile strength and cracks found thus did not allow immediate levelling and the application of any coating of the subfloor.

For this reason the investor, the planner as well as the contractor, Carl Jensen in Hamburg agreed to install the perfect solution for this challenge: the innovative SCHÖNOX RENOTEX 3D SYSTEM, designed by the Sika Experts in Rosendahl, Germany to get a highly loadable thin-layer floating screed that can be covered with a stylish Sika coating system within a shortest period of time.



| Thin-Layer Screed System For Highest Demands. |

The system in detail:

SCHÖNOX RENOTEX 3D

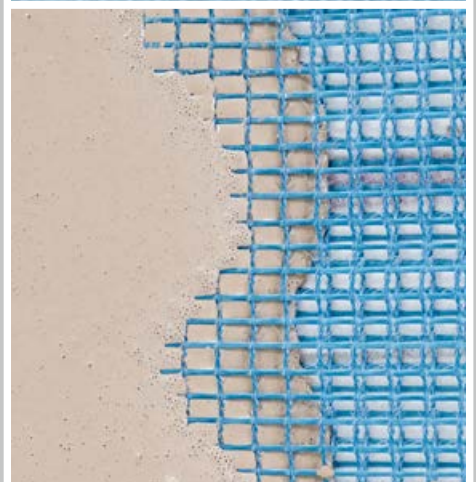
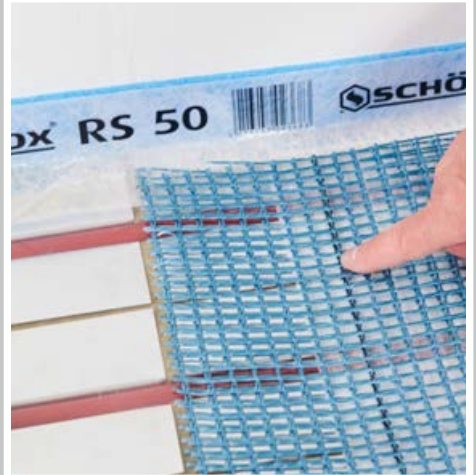
- Low installation height
- Three-dimensional special fabric
- High footfall sound improvement achievable
- Very low weight
- Almost no preparation requirements to the subsurface

SCHÖNOX HS 50

- Hybrid leveling compound
- Extremely quick drying
- Pumpable
- Self-leveling
- Very low tension
- High hardness and strength
- Easy to sand
- Crack-free even when applied in thicker layers

SCHÖNOX RS 50

- Edge strips
- With adhesive stripe and integrated reset effect
- No sealing necessary between the floor and edge strips
- Ideal for avoiding sound bridges



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