



## SCHÖNOX RENOTEX®

The renovation market is becoming more and more important and requires optimized system solutions such as the SCHÖNOX RENOTEX®-SYSTEM

- no cost-intensive deconstruction of old damaged substrates required
- high time and labor savings compared to deconstruction work
- low installation height
- ideal for locations difficult to access
- easy to apply
- subsequent laying of all types of floor coverings possible



# | SCHÖNOX RENOTEX®-SYSTEM

## The essentials of a good renovation system

Critical substrates, which are damaged during usage over many years and which are no longer load-bearing are very common. In those cases a renovation after deconstructing of the existing substrate becomes a highly expensive exercise. There are various reasons why deconstruction and renovation may be very difficult.

- heavy dust formation or generating of noise during renovation must be avoided
- the areas are difficult to access in general
- the costs of deconstruction and for building up a new load-bearing substrate may transcend the costs for the renovation itself
- the maximum installation height is limited
- the installation time needed for building up a new substrate is not given
- no suitable mixing place outside the building

The SCHÖNOX RENOTEX®-SYSTEM was designed to create a new substrate for subsequent floor covering installations avoiding the demolition of the old existing subfloor. Using this dual component system, based on the multi axial and alkaline resistant glass fiber fabric SCHÖNOX RENOTEX® combined with the fiber-reinforced, non shrinking, synthetic gypsum based self-leveling compound SCHÖNOX APF, professional floor installers have the opportunity to build up a new load-bearing, porous substrate on top of almost any type of weak and damaged old substrates we typically find in remodeling situations.



## Installing of the SCHÖNOX RENOTEX®-SYSTEM

### Substrate preparation

After removing the old floor covering, the weak, damaged, friable or cracked areas have to be prepared. The substrate has to be cleaned of loose laying parts, friable or separating areas should be mechanically removed prior to sweeping or vacuuming to leave a sound, dust free surface. Cracks must be repaired using a resin based repair mortar such as SCHÖNOX PGH, voids and breakouts must be addressed accordingly. Foam tape has to be fixed around the wall perimeters. Depending on porosity and type, the substrate is primed using a SCHÖNOX Primer following the referring product data sheet. This system is not a vapor barrier and will allow free passage of moisture. Follow the directions of the floor covering manufacturer regarding the maximum allowable substrate moisture content and test the substrate prior to installing SCHÖNOX APF. Where substrate moisture exceeds the maximum allowed then application of SCHÖNOX SDG, SCHÖNOX MR 18 or SCHÖNOX EPA may be used to suppress residual moisture (see data sheet). Gypsum screeds should always be dry. Do not use moisture mitigation systems on gypsum substrates.

### Installation of SCHÖNOX RENOTEX® and leveling compound

The glass fiber fabric SCHÖNOX RENOTEX® is laid loose sheet to sheet considering an overlap of approx. 1". The fabric can be cut with a hook knife or scissors. Leave a gap of approx. 1/8" to the walls. Subsequently, the substrate is leveled applying the fiber-reinforced synthetic gypsum based self-leveling compound SCHÖNOX APF. The leveling compound is installed using a smoothing trowel or a suitable pump. For best results it is recommended to use a spike roller with at least 1-1/4" spikes. To build up a substrate construction which can take static and dynamic loads without damages, SCHÖNOX APF should be installed at approx. 3/8" over the highest point of the substrate.

When the SCHÖNOX RENOTEX® fabric has floated up into the bottom third layer of the leveling compound the physical reinforcing effect of SCHÖNOX RENOTEX® is optimal. Depending on the climatic conditions the approximate drying time of SCHÖNOX APF at a layer thickness of 3/8" maybe 5 to 7 days. Adequate ventilation is essential when SCHÖNOX APF is being worked to ensure faster drying after installation.

If a second lift of leveling compound (SCHÖNOX APF or SCHÖNOX AP) is to be applied, prime the first layer with SCHÖNOX KH FIX after drying.

### Installation of floor covering

After the leveling compound is thoroughly dry any type of flexible floor covering, wood floor or ceramic tile may be installed on top following the referring product data sheet. For wood floor installations it is recommended to use elastic adhesives such as SCHÖNOX MSP CLASSIC only.



#### Laying of SCHÖNOX RENOTEX®

The fabric can be cut with a hook knife. Leave a gap of approx. 1/8" to the walls.



#### Leveling over SCHÖNOX RENOTEX®

SCHÖNOX APF is installed using a smoothing trowel or a pump. Despite the use of fibers within APF, it is suitable for use with pumping technology.



#### Extremely loadable

Heavy Duty substrates installed combining SCHÖNOX RENOTEX® with SCHÖNOX APF are extremely flexible. Traditional renovation systems will fail in these situations.

Considering the various subfloor situations and the specified loadings after the planned renovation not all old substrates can be renovated. So prior to use the SCHÖNOX RENOTEX®-SYSTEM, an on-site advisory service through a technical sales representative or technical support is always recommended.

## Product data of SCHÖNOX RENOTEX®

construction	ounces/sq.ft.	tolerance (+/-%)	material
0	0.102	5	AR-glass
- 45°	0.098	5	AR-glass
90°	0.092	5	AR-glass
+ 45°	0.098	5	AR-glass
cotton	0.01	5	PES
coating	0.049	10	Acrylate

<b>seam weave:</b>	fringe	<b>width in ft.:</b>	3.94
<b>seam yarn count:</b>	5	<b>area per roll sq. ft.:</b>	542.5
<b>length of roll in ft.:</b>	137.8	<b>total tolerance:</b>	5 %

## Range of application

Preparation of substrates prior to install all types of floor coverings in the renovation market.

Substrates in the	Critical substrates such as	not load-taking substrates such as
renovation market	wooden substrates  old existing floor coverings coatings	not load-bearing, but sound old substrates  light weight concrete

## System solutions

Priming*	SCHÖNOX VD, SCHÖNOX SHP, SCHÖNOX KH FIX, SCHÖNOX MR 18, SCHÖNOX SDG, SCHÖNOX EPA	
Reinforcing		SCHÖNOX RENOTEX®
Leveling**	SCHÖNOX AP (layer thickness 1/8" - 2")  SCHÖNOX APF (layer thickness 1/8" - 5/8")	SCHÖNOX APF (minimum layer thickness 3/8")
Flexural strength (ASTM C348)	SCHÖNOX AP approx. 1300 psi at 28 days  SCHÖNOX APF approx. 1550 psi at 28 days	SCHÖNOX APF + SCHÖNOX RENOTEX approx. 1750 psi at 28 days

\* as required following the referring product data sheet

\*\* to address existing elevations in areas with varying substrates the minimum thickness is 1/4" over the highest point

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