

SCHÖNOX RENOTEX® 3D SYSTEM FOR COMMERCIAL SPACES AND RETAIL BUILDINGS



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SCHÖNOX RENOTEX® 3D

Floor demolition and dismantlement is costly when preparing for reuse and upgrading commercial office and retail spaces. Innovative solutions to eliminate site clearance, environmental remediation, and reduce renovation are needed to help get companies back to business. In response, Schönnox has engineered the Renotex 3D System to not only meet, but exceed, these needs.

This versatile and customizable system combines Renotex 3D, a sound and insulation layer, Schönnox RS 50 foam tape, and Schönnox AP Rapid Plus. These products provide a fast, cost-effective, and one-of-a-kind subfloor renovation system that reduces labor expenses as well as excessive time and material waste. Once the system is in place, a smooth, level, and long-lasting surface is ready for installation of a variety of floor coverings.

Schönnox products are designed to include the following benefits:

- Sound-dampening and fire-resistance qualities.
- Hybrid Active-Dry Technology to allow for fast turnaround times.
- Dust-reduced qualities to help keep the environment clean.
- Easy application and minimize demolition on the job site.
- Drying times that are not sensitive to thickness or climate conditions.



THE ESSENTIALS OF RENOVATING RETAIL BUILDINGS

New or remodeling projects, especially those in the retail space, can become challenging when critical substrates are damaged by use through the years. What's the advantage of renovating versus demolition on projects like this?

- Costs are mitigated when a load-bearing substrate can be rehabbed.
- Installation time is minimized thanks to the rapid dry-time.
- Doors reopen more quickly as renovation time is reduced.

The Schönox Renotex® 3D System is designed to create a new substrate for subsequent floor covering installations. The Hybrid Active-Dry Technology reduces shrinkage, is self-leveling and rapid-drying. Schönox AP Rapid Plus offers professional flooring installers the opportunity to build up a true self-leveling, load-bearing, porous substrate suitable for wood or other flexible materials, such as luxury vinyl tile or carpet tile. Combined, the system is strong, versatile, and durable.

SCHÖNOX FAMILY SYNTHETICS

Schönox Renotex 3D System features Schönox AP Rapid Plus, a synthetic hybrid self-leveling compound. Schönox AP Rapid also utilizes the same hybrid active dry-technology as AP Rapid Plus and is designed for fast-track installations on most substrates in interior areas. The revolutionary technology gives AP Rapid and AP Rapid Plus the benefits of both worlds by combining the versatility, strength, and durability of synthetic gypsum with the speed of fast-curing cement.

These rapid-drying, incredibly strong, and beautifully smooth products are the solutions to your worst problems and each Schönox synthetic compound is dust-reduced, offers low VOCs, and contributes credits to your LEED projects.

The Schönox family of synthetic products includes Schönox AP, Schönox AP Rapid, Schönox AP Rapid Plus, Schönox APF, and Schönox AST. Schönox APF is a synthetic gypsum, self-leveling compound and Schönox AST is a synthetic gypsum, smoothing and drying compound. Both Schönox synthetic gypsum compounds are ideal for the retail, healthcare, and educational spaces as well as residential multi-family and senior housing markets when faced with old gypsum, concrete, cement, wood, or existing substrate subfloor issues.





INSTALLATION OF THE SCHÖNOX RENOTEX® 3D

CONCRETE - EXISTING FLOORING

The Schönnox Renotex® 3D System is designed to be installed on any type of concrete substrate. It's recommended that the substrate be free of any debris before installation. In new construction, no specific substrate preparation is required. If an existing floor covering is acceptable to be left in place, the Schönnox Renotex® 3D System may be directly installed. Damaged areas of the substrate, including large cracks, voids, or breakouts must be addressed accordingly to prevent the self-leveling Schönnox AP Rapid Plus from flowing through the construction.

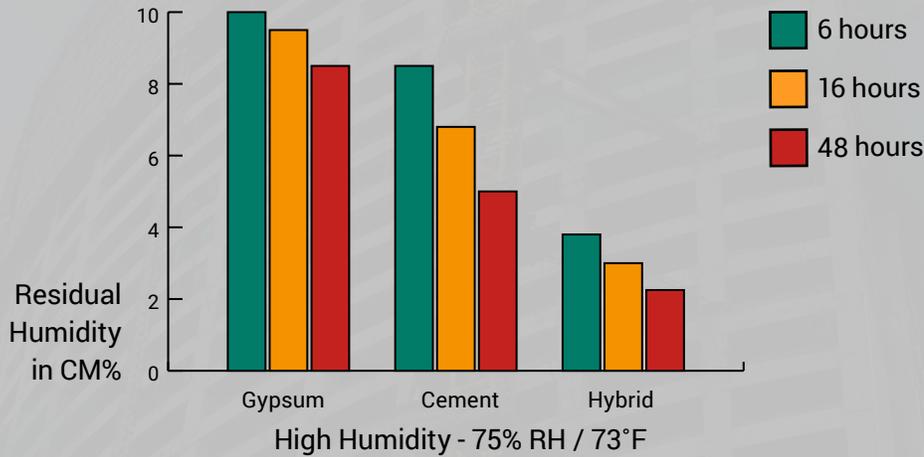
WOOD - EXISTING FLOORING

The sound insulating underlayment is cut to size and loosely laid, sheet-to-sheet, on the wood substrate. Take care to minimize any voids or joints to a width less than 1/8" between the sheets. The high density of the underlayment allows for walkability at any time. After the area has been properly covered with the sound-insulating underlayment, the gaps to the perimeter should be closed adhering the RS 50 foam tape to any vertical structure. The foam adds sound insulation, while the self-sticking lip glues down to the sound insulation sheet to prevent the AP Rapid Plus from flowing underneath.

Always follow the directions of the floor covering manufacturer regarding specific substrate conditions before installing the covering.

AP RAPID PLUS DRYING SPEED

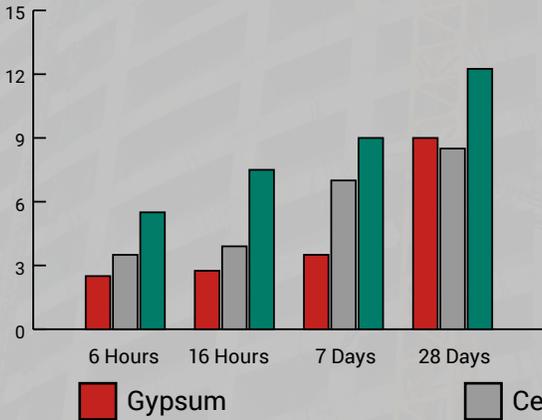
Residual Humidity - 7/8" Layer Thickness



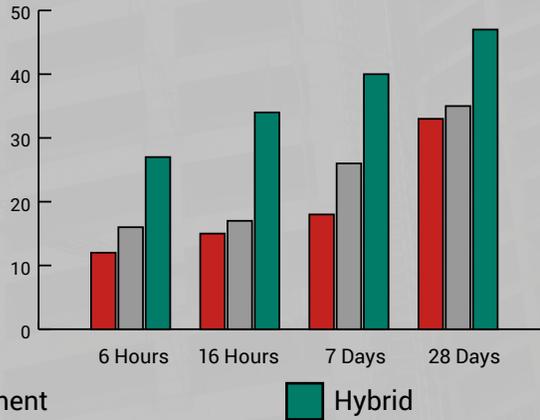
Drying speed based on AP Rapid Plus at 7/8". AP Rapid Plus may be poured at a thickness of 1/2" up to 3" with the Renotex® 3D System. Consult with your Schönnox representative for more information.

AP RAPID PLUS FLEXURAL / COMPRESSIVE STRENGTH

Flexural Strength in N/mm² @ 68°F



Compressive Strength in N/mm² @ 68°F





SCHÖNOX RENOTEX® 3D PRODUCT

MATERIAL

- Front – Glass fiber
- Back – Glass fiber
- Chain binding – Textured polyester
- Pile warp – Polyethylene

ROVING PER SQUARE METER FRONT AND BACK

- 0° – 79°
- 90° – 109°

MESH SIZE FRONT AND BACK

- 0° – 10 mm / .39"
- 90° – 7 mm / .28"

ROLLS PER PALLET

- 6

WEIGHT PER ROLL

- 73 lbs.

PALLET WEIGHT

- 485 lbs.

ROLL DIMENSIONS

- 2m x 25m
- 78.74" x 984.25"
- 6.56' x 82.02'

COVERAGE PER ROLL

- Approx. 540 sq.ft.

AP RAPID PLUS PRODUCT DATA

PRODUCT CHARACTERISTICS

- For interior use only
- Designed for fast-track installations over critical substrates
- Dust-reduced properties
- Self-leveling
- Suitable on underfloor heating systems
- Very low shrinkage
- Pumpable
- Suitable for castor wheel loadings
- Layer thicknesses above 1/8" up to 3"

ABOUT SCHÖNOX AP RAPID PLUS

Schönox AP Rapid Plus is suitable for filling, smoothing, and leveling of substrates under:

- Flexible coverings
- Wood floor, layer thickness above 1/8"

Suitable on:

- Concrete and cement substrates
- Gypsum substrates
- Old floorings, such as ceramic tiles, terrazzo, sheet vinyl, rubber, and resilient floor coverings
- Old, water-resistant adhesive residues
- OSB board and plywood
- In combination with decoupled Renotex® 3D System installation

MIXING RATIO

- Mix each 55lb. bag with 4.2 liters / 4.5 quarts of water
- To extend AP Rapid Plus, we recommend mixing with dry, clean aggregate at a layer thickness above 2". Type and amount of aggregate used will affect product performance. We recommend performing tests before use on a larger scale.
- **Do not over water!** Foam while mixing or settling of the sand aggregate while placing, indicates over watering.

TECHNICAL DATA

- Pot life: approx. 30 minutes at 68°F
- Ready for foot traffic: approx. 2 – 3 hours
- Ready for covering:
 - after 16 hours at 1/2" thickness
 - after 48 hours at 2" thickness
- Working temperature: 41°F – 90°F
- Coverage per unit: approx. 14 sq.ft. at 1/2"
- Compressive strength (ASTM C109):
 - 6300 PSI after 28 days
 - 3800 PSI after 1 day



LEED V4

May help contribute to LEED v4 certification of projects in these categories:

- EQc2 – 3 points
Low-Emitting Materials
- MRc1 – up to 2 points
Life-Cycle Impact Reduction
- MRc2 – 1 point
Environmental Product Declaration
- MRc3 – 1 point
Sourcing of Raw Materials
- MRc4 – 1 point
Material Ingredients

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The Schönox Renotex® 3D System, in combination with Schönox AP Rapid Plus, is UL Classified.



For more product information, always refer to our Technical Data Sheets, available at hpsubfloors.com or on the Schönox App.