

SCHÖNOX RENOTEX® 3D SYSTEM

**SCHÖNOX RENOTEX® 3D SYSTEM
FOR MULTI-FAMILY, SENIOR LIVING,
AND APARTMENT BUILDINGS**



Take your business to a whole new level. Call 855.391.2649 or visit hpsubfloors.com to learn how your projects run smoother with Schönox On It.



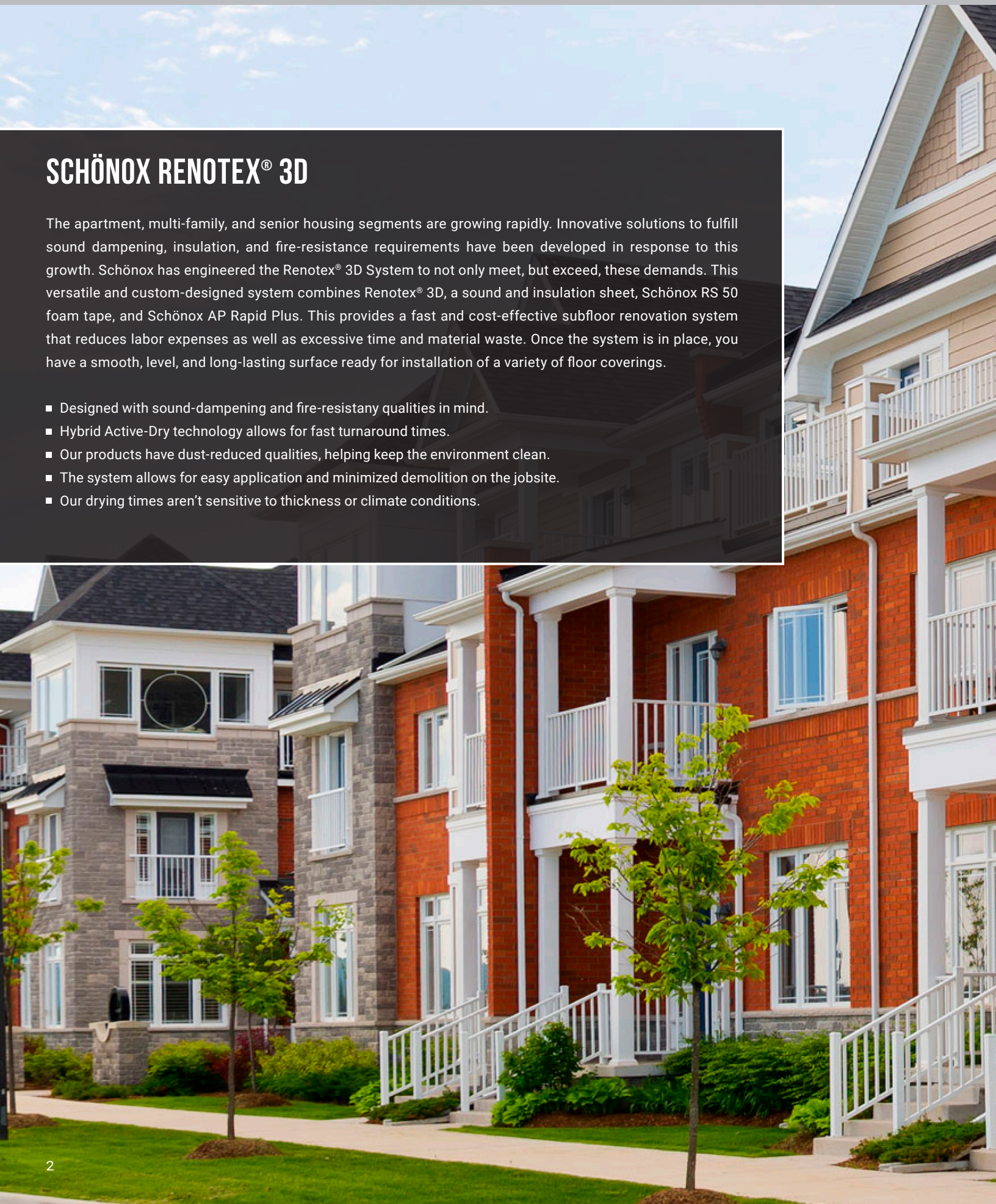
SCHÖNOX®
HPS NORTH AMERICA

SCHÖNOX RENOTEX® 3D SYSTEM

SCHÖNOX RENOTEX® 3D

The apartment, multi-family, and senior housing segments are growing rapidly. Innovative solutions to fulfill sound dampening, insulation, and fire-resistance requirements have been developed in response to this growth. Schönox has engineered the Renotex® 3D System to not only meet, but exceed, these demands. This versatile and custom-designed system combines Renotex® 3D, a sound and insulation sheet, Schönox RS 50 foam tape, and Schönox AP Rapid Plus. This provides a fast and cost-effective subfloor renovation system that reduces labor expenses as well as excessive time and material waste. Once the system is in place, you have a smooth, level, and long-lasting surface ready for installation of a variety of floor coverings.

- Designed with sound-dampening and fire-resistancy qualities in mind.
- Hybrid Active-Dry technology allows for fast turnaround times.
- Our products have dust-reduced qualities, helping keep the environment clean.
- The system allows for easy application and minimized demolition on the jobsite.
- Our drying times aren't sensitive to thickness or climate conditions.



THE ESSENTIALS OF RENOVATING WOOD CONSTRUCTION

New or remodeling projects, especially those in the multi-family and senior housing markets, can become challenging when critical substrates are damaged by years of use. 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.
- Residents are displaced only briefly throughout the process.

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 OF SYNTHETICS

Our Schönox Renotex® 3D System features Schönox AP Rapid Plus synthetic hybrid self-leveling compound, but the Schönox family of synthetic products begins with Schönox AP and Schönox APF synthetic gypsum self-leveling compounds as well as Schönox AST synthetic gypsum smoothing and drying compound. Schönox synthetic gypsum compounds are ideal when facing multi-family, healthcare, residential, or other subfloor issues on gypsum, concrete, cement, wood, and old, existing substrates. Rapid-drying, incredibly strong, and beautifully smooth, Schönox AST, AP and APF are your solutions to the worst problems. Schönox AP Rapid utilizes the same Hybrid Active Dry Technology as AP Rapid Plus and is designed for fast-track installations on most substrates in interior areas. This revolutionary technology gives AP Rapid and AP Rapid Plus the benefits of both worlds by combining the versatility, strength, and durability of synthetic gypsum and the speed of fast-curing cement. Each Schönox synthetic compound is dust-reduced, offers low VOCs, and contributes credits to your LEED projects.



SCHÖNOX RENOTEX® 3D SYSTEM

INSTALLATION OF THE SCHÖNOX RENOTEX® 3D SYSTEM

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


The sound and insulation sheet 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 and insulating sheet, 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 and 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.



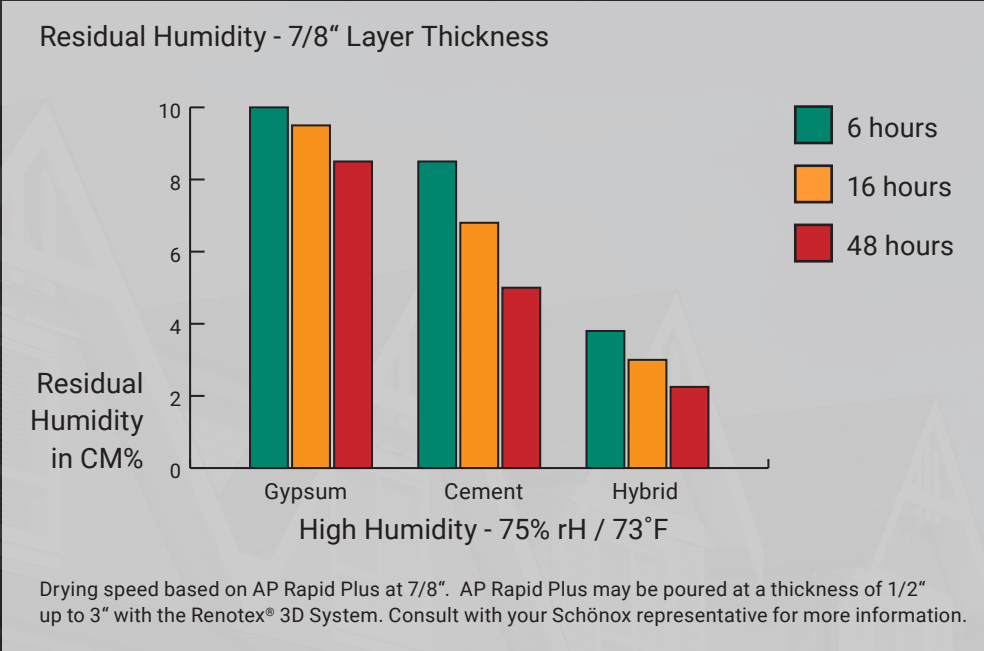
RANGE OF APPLICATION

Sound dampening, fire-rated subfloor solution for wood construction, such as specified in multi-family projects, apartment buildings, student housing or senior living facilities.

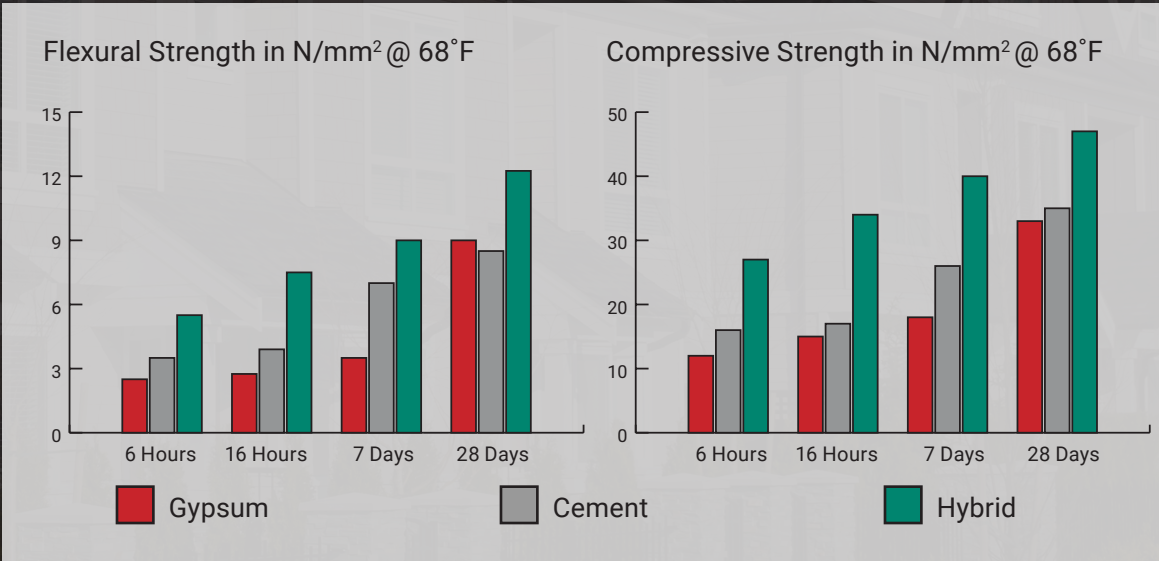
Substrate	Any wooden substrate in renovation or new construction
Priming	No priming required
Sound Insulation / Decoupling	1/2" sound and insulation sheet Vertically insulated by installing Schönox RS 50 Foam Tape to any vertical structures
Reinforcement	Schönox Renotex® 3D
Leveling	Schönox Renotex® 3D must be completely covered by pouring Schönox AP Rapid Plus at a minimum thickness of 1/2"
Compressive Strength (ASTM 109/mod-aire cure only)	Schönox AP Rapid Plus 6300 psi after 28 days 2400 psi after 1 day
Flexural Strength (ASTM C348)	Schönox AP Rapid Plus + Schönox Renotex® 3D approximately 2,000 psi after 28 days 
IIC / STC (ASTM E989-06 / ASTM 2179)	Exceeds IIC 50 / STC 50
UL Classification	UL FIRE RESISTANCE DIRECTORY: R38619 Included design modifications: L502, L503, L504, L505, L506, L507, L508, L509, L510, L511, L512, L513, L514, L515, L516, L517, L518, L519, L520, L522, L523, L524, L525, L526, L527, L528, L529, L530, L532, L533, L534, L535, L536, L537, L538, L539, L540, L541, L542, L543, L545, L546, L547, L549, L551, L552, L556, L557, L558, L560, L562, L563, L564, L565, L569, L570, L573, L574, L576, L577, L579, L581, L583, L585, L588, L589, L590, L592, L593, M500, M502, M503, M504, M505, M506, M507, M508, M510, M513, M514, M517, M18, M519
Fire Rating (ASTM E84)	Schönox AP Rapid Plus UL-classified in accordance with ASTM E84 (ANSI/UL 723): Flame Spread 0; Smoke Development 0

For more information, refer to the product technical data sheets.

AP RAPID PLUS DRYING SPEED



AP RAPID PLUS FLEXURAL / COMPRESSIVE STRENGTH



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.



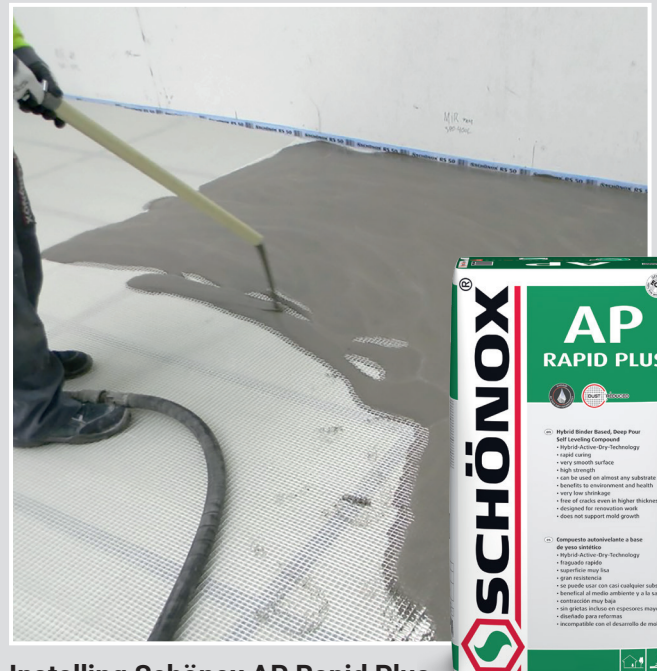
Installing of the sound and insulation sheet and Schönox RS 50

The insulation is loose-laid to the existing wood substrate, leaving a gap of approximately 1/8" to the perimeters. Schönox RS 50 foam tape decouples the insulation layer from any vertical structure.



Installing Schönox Renotex® 3D

The fabric is cut to shape using electrical scissors. The fabric is flattened lengthwise to overlap approximately 2". Adhere ends of Renotex® 3D along walls using double-sided tape, when necessary, to eliminate any possible curl.



Installing Schönox AP Rapid Plus

Schönox AP Rapid Plus is installed completely covering Schönox Renotex® 3D by using barrel mixer or pump and simply walking over the fabric. The system cures overnight to a completely decoupled, floating, and self-bearing system.



SCHÖNOX RENOTEX® 3D PRODUCT DATA

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 overwater!** Foam while mixing, or settling of the sand aggregate while placing, indicates overwatering.

TECHNICAL DATA

- Pot life: approx. 30 minutes at 68°F
- Ready for foot traffic: approx. 2-3 hours
- Ready for covering:
 - after 12-16 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
 - 2400 psi after 1 day

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



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

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