

Technical Specifications - Traverse™ Strataloc 20 - SPC (Stone Polymer Composite – Rigid Core)

1. Product Description

Traverse™ Strataloc is a heterogeneous construction SPC (stone polymer composite) with pre-attached iXPE foam acoustic underlayment. Product incorporates Uniclick locking mechanism by Unilin. Virgin PVC formulation. Phthalate free. Core composition contains vinyl and limestone (calcium carbonate) with zero wood dust and zero bamboo dust resulting in superior indentation, moisture resistance and thermal stability.

2. Product Details

Gauge: 5.0mm overall thickness (of which 1mm iXPE pre-attached acoustic foam)
Wear Layer: 20 mil (0.020" | 0.50mm)
Edge: No bevel
Locking System: Uniclick
Size: Planks- 7 & 3/16th" x 48"

Note: Traverse can accommodate special thickness, color and dimensions requests.

3. Approvals / Relevant Standards

| | | |
|---------------------------|---------------------------------|--------|
| ASTM F 2199 | - Dimensional Stability: | Passes |
| ASTM E 492/ ASTM E 989 | - IIC (Impact Insulation Class) | 68 |

**Note E492-09(2016), ASTM E 989-18, tested over 200mm concrete slab with acoustical drop ceiling assembly where a 288mm cavity was filled with 50mm glass wool, 12 mm gypsum board.

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| ASTM F 1514 | - Heat stability of flooring: | Passes |
| ASTM F 925 | - Chemical resistance: | Passes |
| EN 425-2002 | - Castor chair resistance | 25,000 cycles |
| ASTM D 2047 | - Coefficient of friction > 0.6 | >0.6 |
| ASTM F 970 | - Indentation resistance | Passes 250 PSI |
| ASTM F 1914 | - Short term indentation: | Passes |
| SCS-EC10.3 | - Floorscore | Passes |

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| NALFA/ANSI LF 01-2011 Section 3.5 @ 1.8m - no fracture) | - Impact Ball Resistance (224g @ >1.4m) | Passes (Impact |
|---|---|----------------|

4. Installation

4.1 - Adhesive: N/A.

4.2 - Jobsite Conditions: Installation of the flooring should not commence until all other trades have completed their work. This includes cabinet installation, which should not be installed after Traverse Strataloc has been installed. The surface of Traverse should be protected during installation. Acclimate the flooring in the space to be installed prior to installing so that flooring temperature is consistent with environmental conditions in the space to be installed. The temperature range within the work area for 48 hours prior to and during installation should be 55 degrees Fahrenheit to 95 degrees Fahrenheit. Maintain consistent temperature throughout installation of the entire floor area.

Temporary means of controlling temperature during this phase may be required. During storage, the cartons should be installed flat or on top of each other, but never on their edges or ends. Do not double-stack full pallets. Do not install in rooms subject to long term exposure to direct sunlight without adequate window treatments in place in those areas.

4.3 - Substrate Preparation:

4.3.1 Concrete subfloors should be prepared according to ASTM F 710, the standard practice for preparing concrete floors to receive resilient flooring. The subfloor should be smooth, hard, clean and dry. All concrete subfloors should be tested for alkalinity. Maximum allowable alkalinity in concrete PH 9. Corrective action should be taken if readings are outside of the range. Any residue of old adhesive, wax, oil and grease and should be removed, as should all dust and other foreign particles.

Although Traverse Strataloc is waterproof it is not a moisture barrier. All concrete subfloors should be tested for moisture to minimize risk of future mold growth underneath the product. Moisture testing should be conducted in accordance with ASTM F 2170, standard test for moisture emission rates in concrete using in-situ probes. RH in the concrete should be a maximum of 90%. Alternatively, moisture testing should be conducted according to ASTM F 1869, standard test method for measuring moisture emissions using anhydrous calcium chloride. Moisture vapor emission should not exceed 6 lbs / 1000ft / 24 hours. If outside of this range, use 6 mil polyfilm barrier prior to installation.

4.3.2 Installation over wooden subfloors should be conducted as follows:

- Subfloor panels must be minimum $\frac{3}{4}$ " thickness, single layer, dry and without evidence of warping or buckling.
- Ensure subfloor panels are properly nailed or screwed onto joists.
- Subfloor must be flat within $\frac{3}{16}$ " for every 10 linear feet. Fill any uneven areas with Portland based cementitious patching compound. Excessive undulation may result in inadequate locking of the locking mechanism and result in possible failure of the mechanism.
- $\frac{1}{4}$ " plywood flooring underlayment can be used at the determination of the installer if the above criteria are not met.

4.3.3 Existing flooring

Strataloc can be installed successfully over existing hard surface floorcovering. The flooring contractor or installer should determine the suitability of the subfloor prior to install. Strataloc should not be installed over existing floating flooring. Any existing flooring should be sound and well bonded to the substrate. Subfloor must be flat to within $\frac{3}{16}$ " for every 10 linear feet.

Installation over:

1. Resilient Flooring: Only install over sheet vinyl (not cushioned), VCT, Linoleum, LVT, Rubber flooring.
2. Any existing adhesives must be mechanically removed, taking care to ensure appropriate steps are taken when there is any doubt about the possible presence of asbestos.
3. For gypsum underlayments, follow manufacturers guidelines and follow steps outlined in ASTM F 2419.
4. Natural stone, porcelain and ceramic tile: Only install over well bonded tiles. Remove loose tiles and fill area with patching compound level with surrounding well bonded tiles. Grout lines should be no deeper than $\frac{3}{32}$ " (2.5mm) and no wider than $\frac{1}{8}$ " (3mm). If outside this range, fill with cementitious patching compound.
5. Hardwood floors (not floating) should be smooth finish, with a maximum gap between boards (or total width of bevel across the uppermost portion of the gap at the surface: i.e. maximum gap) of $\frac{1}{8}$ " (3mm).
6. Underfloor heating should not exceed 85 degrees Fahrenheit maximum. During installation, ensure that temperature of subfloor is lowered and then gradually increased again post installation in 5 degree Fahrenheit increments.

4.4 – Installation: Inspect locking mechanism of each plank and remove any foreign particles that may be present. Set $\frac{1}{4}$ " spacers around perimeter. First measure room to ensure that plank width at

the opposite side of the room from the installation start point will not be less than half a plank wide and that the end plank at the opposite wall will not be less than 8 inches. Cut planks for first row as necessary. Position first plank with the tongue facing the wall. Insert short end of second plank at a low angle roughly 15-20 degrees by inserting the tongue into the groove. Lay the product flat and the planks will click into place. Use a 'bridge' piece to ensure there is no overlap of short ends along the length of the first row. Continue installing planks in first row following the method described until you arrive at the last plank. Take the last plank, rotate it 180 degrees and place beside first row. Measure, mark, score with a utility knife and snap off. The snapped off piece will become the last plank against the wall. Begin the second row with the piece remaining from the end of the first row.

Install first two rows of planks together checking regularly for squareness and tightness as these rows form the basis for a successful installation. Use a piece (roughly 1/3 plank) as a bridge plank to ensure the short sides of planks are aligned properly prior to engaging to prevent gaps appearing later between planks. Use a tapping block and tap long and short side of planks to ensure locking mechanism is properly engaged; this also facilitates alignment of first two rows. Once first two rows are complete, push the whole assembly against the 1/4" spacers next to wall. Begin installing subsequent rows inserting long side of plank into adjacent edge of previous row at a 15-20 degree angle. ***Note:** It is faster to install the third row and subsequent rows by locking the ends together along the length of the row and then inserting the entire row into the previously installed row. Again, use tapping block to ensure a tight fit on each plank in the row down the entire length. Planks should be staggered at 12" intervals to ensure a natural appearance of a wood floor installation. Take care not to damage the locking mechanism during installation. In the unlikely event that there are manufacturing defects present in the flooring, product with obvious manufacturing defects should not be installed and a Traverse flooring representative should be notified immediately.

When installing around tubs, showers, toilets etc., apply a bead of 100% flexible silicone at the surface to seal the gap between installed flooring and edge of tub / shower / pipes etc.

Note: Any permanent units such as cabinets and islands should be installed prior to installing Strataloc. Do not attempt to install cabinets for use as a permanent installation on top of previously installed Strataloc.

Note: Door frames can be cut away by turning a plank upside down and using a hand saw to cut away the door frame so that planks will slide under. Do not ram planks in to a tight space, make cuts to door frames, leave enough space under base board etc. to enable planks to easily slide underneath.

4.5 – Acoustical Underlayments: N/A as underlayment is pre-attached during manufacture.

4.6 - Disassembly: If disassembly is necessary, begin at the wall and remove Strataloc at an angle one complete row at a time to disengage long side of planks. Once row is removed, to disengage the short side of planks, carefully lift each plank from the end and pull tongue from groove to disassemble the installation.

4.7 - Additional Information: Floors can be damaged when not properly protected during the final stages of construction or refurbishment. Traverse should have all dirt and grit removed from its surface, then protect the flooring from damage using a non-staining product sufficient to withstand any use the area may experience post installation of the flooring. Never tape or bond any such protection to the newly installed flooring. Care should also be taken to not damage the flooring, when positioning furniture and equipment within the building.

5. Maintenance

For maintenance information, refer to Traverse Flooring maintenance instructions.

6. Warranty

For warranty information, refer to Traverse Flooring warranty information.