

TRUCOR® SPC & TRUCOR® WPC Glue Down Installation Instructions

GLUE DOWN INSTALLATION INSTRUCTIONS

Inspection: Prior to installation, inspect material in daylight for visible faults/damage. Check if subfloor/site conditions comply with the specifications described in these instructions. If you are not satisfied, do not install, and contact your supplier.

Before laying: Measure the room at right angle to the direction of the flooring. For the best visual effect, planks or tiles in the final row should be at least at least 1/3 the width of the plank or tile. For this purpose, planks or tiles in the first row can be cut to smaller size. Shuffle boards in order to obtain a pleasant blend of shades. Lay boards, preferably following the direction of the main source of light. We recommend laying on wooden floors crossways to the existing floorboards.

One of the key features of TRUCOR® SPC & TRUCOR® Prime WPC floors is the ease and speed with which they install as a glueless floating floor. However, there are instances where the customer may wish to install these floors using the direct glue down method. In addition, there is an instance where The Dixie Group requires that TRUCOR® SPC & TRUCOR® Prime WPC floors be installed using the direct glue down method:

When installing TRUCOR® SPC & TRUCOR® Prime WPC floors milled with the angle/tap profile using the glue down method, suggested adhesives for SPC & WPC* should be used and applied to the subfloor using adhesive manufacturer's recommended trowel. Surfaces must be clean, dry and smooth, free of voids, projections, loose materials, oil, grease, sealers, and all other surface contaminants. Maximum floor variation is 1/8" in 10'. Concrete slabs requiring patching or leveling should be repaired with Portland cement based material. **Adhesive manufacturer's instructions should be followed completely.**

When employing the direct glue down installation method, DO NOT include a 6-mil polyfilm vapor barrier in the assembly. Flooring material must be adhered directly to the subfloor. Flooring should NEVER be glued to a polyfilm vapor barrier.

FLOOR PREPARATION

Floor must be clean, level and dry. Remove all foreign substances such as wax, grease, dirt and any substance or chemical that would interfere with a good bond. Test concrete subfloor for alkalinity (pH of floor should be between 5 and 9). Take corrective measures if concrete surface pH is outside these limits. Moisture tests should be performed using an anhydrous calcium chloride test according to ASTM F-1869 test method. Moisture emissions should not exceed 5.0 lbs. per 1000 square feet per 24 hours (2.27 kg/92.9m²/24 hours). Relative Humidity readings according to ASTM F-2170 should not exceed (RH) 85%. If both tests are performed the RH test is the qualifying standard. Fill all holes and cracks with a Portland cement based patching compound. Sand high spots, install underlayment grade plywood or particleboard underlayment over tongue and groove flooring to eliminate the possibility of telegraphing. For best results, the room, floor covering and adhesive should be between 65°F (18°C) and 95° F (35°C) and at a relative humidity between 30% and 60% for 24 hours before, during and after the installation.

INSTRUCTIONS

1. Apply adhesive to substrate with the recommended notch trowel (trowel size will depend on the type of backing and smoothness of the substrate). Minimum trowel size for TRUCOR® SPC & TRUCOR® Prime WPC is 1/16" x 1/16" x 1/16" Square-Notch (1.6 mm x 1.6 mm x 1.6 mm) V-notch. Lay most floor coverings into wet adhesive. Open time will vary from 15 minutes to one hour, depending on the dryness of the floor, thickness of adhesive application, temperature and humidity.
2. Lay in flooring, lifting occasionally to be sure of making 100% contact with backing.
3. Roll TRUCOR® SPC & TRUCOR® Prime WPC immediately after installation with a 100 lb. (45.4 kg) roller. Work from the center towards the edges to expel trapped air.
4. Clean up: use soap and water if adhesive is still wet. If dried, use recommended Adhesive Remover/Stripper from WF Taylor, Touchdown 9 (<http://www.wftaylor.com/index.php/1199/9/#.Vz3AA2OpQ-0>).

*Required Adhesives for SPC when glue down is method is needed:

- **Advanced Adhesive Technologies:** (aatglue.com)
 - **AAT-420:**
 - 1/16" x 1/16" x 1/16" U Notch Trowel
 - Estimated Coverage: 190-200 sqft per gallon
 - **AAT-520: (18"x 36" Tiles)**
 - 1/8" x 1/8" x 1/16" U Notch Trowel
 - Estimated Coverage: 80 sqft per gallon
- **Taylor Adhesives:** (tayloradhesives.com)
 - **Resolute®**
 - 1/16" x 1/32" x 1/32" U Notch Trowel
 - Estimated Coverage: 220-260 sqft per gallon
 - **Dynamic®**
 - 1/16" x 1/16" x 1/16" Square Notch Trowel
 - Estimated Coverage: 150-180 sqft per gallon
 - **Pinnacle®**
 - 1/16" x 1/16" x 1/16" Square Notch Trowel
 - Estimated Coverage: 150-180 sq ft per gallon

Suggested Adhesives for a glue down WPC with attached cork pad. Also, if installing an additional 1/8" CORK underlayment to increase IIC and STC Ratings:

- Mapei Eco222
- Mapei Ultrabond Eco360
- Roberts 7250

Suggested additional underlayment option when attempting to meet and/or exceed IIC and STC ratings:

Vendor: MP Global:

- QuietWalk
- QuietWalkPLUS
- QuietWalk Luxury Vinyl
- SoundBuffer
- SoundStep Luxury Vinyl

Vendor: Roberts:

- Quiet Cushion
70-180

	Residential	Commercial
Subfloor Flatness Tolerances	3/16" in a 10 foot radius without any abrupt height differences. Slope no more than 1" in 6'	3/16" in a 10 foot radius without any abrupt height differences. Slope no more than 1" in 6'
Vapor Barrier (6 mil polyfilm)	Not Required	Not Required
IS Underlayment (pad) Required	No	No
Acclimation Requirements	Not Required	Not Required
Transition Requirements (T-Mold) for Large Spaces	Not Required	Required in room greater than 100' in any direction
(T-Mold) Doorways/Thresholds	Not Required	Required
Installation Over Existing Ceramic Tile Floor	Filling Grout Lines Not Required (Follow Subfloor Flatness Tolerances)	Filling Grout Lines - Required
Subfloor RH /MVER Recommendations	85% RH/8 lbs. MVER	85% RH/8 lbs. MVER
Radiant Heat	Approved - Substrate surface temperature not to exceed 85°F	Approved - Substrate surface temperature not to exceed 85°F
Perimeter Expansion Requirements	1/4" around perimeter walls & heavy fixed objects such as cabinetry	3/8" around perimeter walls & heavy fixed objects such as cabinetry
Optimal Interior Environmental Conditions	32°F - 140°F / 40% - 60% RH	32°F - 140°F / 40% - 60% RH
Definition of "Waterproof"	Structural integrity of flooring will not degrade due to contact with moisture / water but is not a moisture barrier	Structural integrity of flooring will not degrade due to contact with moisture / water but is not a moisture barrier