

S-1000 Flooring Adhesive

For use with the following commercial applications:

- For the full-spread installation of Armstrong Flooring™ commercial luxury flooring (LVT), vinyl composition tile (VCT) and stair treads.
- Recommended and warranted for applications with high moisture RH and MVER over new and existing concrete substrates without hydrostatic pressure with or without an intact under-slab vapor barrier (ASTM E1745).

Type	Modified Urethane (isocyanate free)
Color	Off-White
Taggants	None
Applicator	Easy troweling; 1/32" deep x 1/16" wide x 1/32" apart, U-Notch
Coverage	220-260 sq. ft. / gallon
Units	2 Gallon (7.57 L)
Open Time	10 min (LVT & VCT); 0 min (Stair Treads)
Working Time	45 minutes
Curing Time	6 hours
Light Traffic	3 hours
Heavy Traffic	4 hours
Heavy Rolling Loads	8 hours (6 hours shopping carts at Grocery stores up to 150 lbs.)
Moisture Control	Protects flooring against unlimited moisture
RH (ASTM F2170)	No testing required (100%)
pH	No testing required (5-14)
MVER (ASTM F1869)	No testing required
Shelf Life	Shelf Life 1 year, unopened
Freeze/Thaw Stable	This product should be stored at temperatures between 50-90°F (15-32° C). While this product is freeze-thaw stable; it is necessary to protect it from freezing. Freeze/thaw stable to 10°F (-12°C).
VOC Content	0.1 g/L; calculated and reported, SCAQMD 1168
Bonds To	Porous concrete surfaces with moisture limits of 100% RH per ASTM F 2170 or 25 lbs./1000 sq. ft./24 hrs. per ASTM F 1869
Advantages	High Moisture Guarantee up to 100% RH Backed by the Armstrong Flooring Guaranteed Installation System Simple one-part system (modified urethane) Fast-curing formula with strong, early grab

Approved Substrates and Surfaces: APA underlayment grade plywood and OSB, Association grade particleboard, Cement backer board, Concrete and radiant heated subfloors that do not exceed 85°F (30°C), Existing well-bonded non-cushion-backed vinyl, tile and sheet flooring, fully secured cork underlayments, Gypsum and lightweight concrete (primed with a universal primer), Terrazzo (properly prepared with all waxes and surface finishes removed).

Substrate Testing:

RH - No testing required (100%) [ASTM F2170]

pH - No testing required (5-14)

MVER - No testing required [ASTM F1869]

Substrate Preparation:

Substrate must be prepared per ASTM F710 standards including, but not limited to the following:

- Concrete floors must be dry, clean, smooth and structurally sound. They shall be free of any foreign materials that might prevent adhesive bond, including dust, dirt, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, incompatible sealers, fire-retardant chemicals, fungicides, release agents, alkaline salts, excessive carbonation, laitance, mold, mildew, and curing, sealing, hardening or parting compounds.
- Fill all surface cracks, grooves, depressions, control joints and non-moving joints with moisture-resistant patching and self-leveling compounds, allow to fully cure and correct high spots before applying adhesive.
- The substrate, adhesive and flooring must be acclimated in an enclosed building with the HVAC operational between 60-95°F (15-35°C), and between 30-65% relative humidity, for at least 72 hours before, during and after the installation.
- When installing over radiant heated subfloors, turn the heat off for 24 hours before, during and after installation. Failure to turn the heat off may result in shortened working time of the adhesive. When turning radiant heat back on, raise it incrementally, not to exceed a change of more than 5 degrees per hour to a maximum of 85° (29°C).

PRECAUTIONARY NOTES:

Concrete must be placed in strict accordance with applicable standards and specifications, must be fully cured (at least 45 days) and without hydrostatic pressure. Flooring must be acclimated per manufacturer's guidelines. When used as a concrete moisture vapor barrier, substrate must be porous per ASTM F3191.

Application:

This product may only be used as a wet-set adhesive. Follow flooring manufacturer's guidelines for layout, design, and any special precautions for installation.

1. Spread adhesive using 1/32" deep x 1/16" wide x 1/32" apart, U-Notch trowel as pictured below. Adhesive ridges will dissipate and does not require back-rolling under normal circumstances.
2. Install flooring per the instructions below dependent upon desired application method.



Luxury Vinyl Tile | Vinyl Composition Tile

- Install the flooring into the wet adhesive after 10-15 minutes of open time.
- Immediately roll the planks / tiles to imbed them into the adhesive while it is still viable using a Crain 333 hand roller or similar extension roller to control the downward pressure and prevent adhesive bleed up.
- Make certain to eliminate any trapped air pockets.
- Working time is approximately 45 minutes under acceptable temperature and humidity conditions.
- Periodically lift flooring material to verify proper transfer of adhesive.

Stair Treads

- Install flooring or stair treads immediately after adhesive is spread.
 - Working time is approximately 45 minutes under acceptable temperature and humidity conditions.
 - Periodically lift flooring material to verify proper transfer of adhesive.
3. Roll and cross roll floor with a 75-100 lb. (34-45 kg) roller at the end of the installation to ensure proper transfer of adhesive.
 4. Wait a minimum of 1 hour, but no more than 2 hours, after the installation to roll and cross roll floor.

PRECAUTIONARY NOTES:

Do not auto scrub/wet mop the floor for 6 hours after the install is complete. Do not strip and finish the floor for 6 hours after the install is complete. Reseal lid when not in use to protect product.

Cleaning Instructions:

While product is still wet, use a damp cloth and water to remove. While product is still soft: use an adhesive remover/stripper, denatured alcohol, or mineral spirits. Always check compatibility on a piece of scrap flooring.

For complete safety information, please refer to the Safety Data Sheet, or visit our website at ArmstrongFlooring.com or floorexpert.com.