

HardSet GLU

HARD SETTING ADHESIVE



DESCRIPTION

HardSet GLU is a hard setting adhesive that is solvent free and offers excellent performance bond characteristics, complementing its strong and durable bond with most floor coverings. HardSet GLU is an aggressive high strength, high shear hard set adhesive engineered for demanding commercial and residential installations.




APPROVED FLOOR COVERING

- Luxury Vinyl Tile (LVT)
- Luxury Vinyl Plank (LVP)
- Vinyl Sheet

PROPERTIES

- Relative Humidity:**
Up to 99%
- pH Range:**
7-12
- Dry Time:**
25+ Minutes
- Working Time:**
Up to 25 Minutes
- Cure Time:**
24 Hours
- Light Foot Traffic:**
24 Hours
- Rolling Loads:**
24 Hours

TROWELS & COVERAGE

Floor Covering	Trowel Recommendation	Estimated Coverage
Porous and Non-porous Substrates	U Notch: 1/16" x 1/16" x 1/16"  1/16" x 1/16" x 1/16"	Up to 180 sqft/gallon

DISCLAIMER: Users should determine suitability of this information or product for their own purpose or application. Manufacturer is not responsible for the misuse of this product. This adhesive is not a moisture barrier and should not be installed/treated as such. This adhesive is not a substrate moisture sealer and does not form a protective barrier and is only warranted to maintain an adhesive bond when used over substrates specified in this document. ASTM 2659 impedance readings that exceed 4% may void the warranty.



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CLEANUP

- While wet, use a cloth and soapy water to remove wet adhesive.
- When adhesive is dry, use denatured alcohol or appropriate adhesive remover.
- Always check for compatibility on a piece of scrap flooring.

STORAGE

- This product should be stored at temperatures between 50°-90° F.
- This product has a shelf life of 2 years.

LIMITATIONS

- Not for exterior installations.
- Not for use to encapsulate asbestos.
- Not for use when moisture exceeds 3.5% per ASTM F2659, or Relative Humidity of concrete substrate exceeds 95% (ASTM F2170).
- Not for use where hydrostatic pressure exists.
- Do not use if substrate pH is greater than 10.0 or below 7.0.
- Concrete substrate must be a minimum of 5° F above dew point.
- Ambient conditions must be between 60°-90° F – 30-65% RH.
- Extreme ambient condition changes will affect the performance quality of the installation.
- Do not install over chemically abated substrates.
- Do not install over adhesive residue or cutback adhesive.
- Do not allow product to freeze.
- Do not use with dimensionally unstable floor coverings.
- Do not use over concrete substrates which have been treated with silicates, either topically or entrained.

SUITABLE SUBSTRATES

- Concrete substrates (at least 28 days old).
- On, above or below grade installations.
- Cement-based self-levelers and patching compounds.
- APA underlayment grade plywood and OSB (per manufacturer recommendation).
- Cement backer board.
- Properly primed gypsum based underlayment that meets ASTM F2419 requirements for compressive strength.
- Radiant heated substrates should be turned off 24hrs prior to installation, Maximum 85° F.

SUBSTRATE TESTING

- RH: 95% [ASTM F2170] With Limitations
- Precautionary Note: HardSet GLU is not a moisture mitigation system and should not be used as one. The adhesive will hold up under stated moisture conditions
- pH: Between 7-10 [ASTM F710] With Limitations

PLEASE CONSULT LIGHTHOUSE ADHESIVES' TECHNICAL DEPARTMENT FOR SUBSTRATES NOT LISTED.

SURFACE PREPARATION

NOTE: FOLLOW FLOORING MANUFACTURERS GUIDELINES. SUBSTRATES MUST BE PREPARED PER ASTM F710 BUT NOT LIMITED TO THE FOLLOWING:

- Substrates must be dry, smooth, solid, structurally sound and flat.
- Substrates should be clean and free of dust, dirt, oil, grease, paint, curing agents or concrete sealers; topically applied or entrained, loosely bonded toppings, adhesive residue, loose particles, and any other substance or condition that may prevent or reduce adhesion.
- Fill all surface cracks, grooves, depressions and non-moving joints with moisture resistance patching or self-leveling compounds.
- Substrate, adhesive and floor covering must be acclimated with HVAC in operation for 48 hours prior, during, and continuously after installation is complete.
- Ambient conditions, temperature must be between 60°-90° F and relative humidity must be between 30-65% during and following installation.
- When installing over radiant heated substrates, heat should be turned off 24 hours before, during, and after installation. When turning radiant heat back on, do so in 5° increments per hour to desired temperature. Floor temperature should not exceed 85° F.

INSTALLATION INSTRUCTIONS

Follow flooring manufacturer's guidelines for layout, design and any special precautions for installation. **DISCLAIMER: FOLLOW THESE INSTRUCTIONS COMPLETELY OR DO NOT USE THIS PRODUCT.**

POROUS SUBSTRATE

After spreading the adhesive using the determined trowel, allow up to 25 minutes for adhesive to flash off installing floor covering into wet adhesive with a 100% transfer of adhesive to floor covering backing. Working time: Will vary depending on ambient conditions and porosity of the substrate.

NON-POROUS SUBSTRATE

A non-porous concrete substrate surface profile will need to be rendered porous by mechanical means. Another alternative is using a self-leveler cementitious underlayment or blotter coat is required for this type of wet-lay installation method. After spreading the adhesive using the determined trowel, allow up to 25 minutes for adhesive to flash off installing floor covering into wet adhesive with a 100% transfer of adhesive to floor covering backing. Working time: Will vary depending on ambient conditions and porosity of the substrate.

Be sure to install floor covering during the working time of the adhesive or loss of adhesion could occur. After installation, roll flooring with 75-100lb roller to ensure proper adhesive transfer.

If floor covering is not installed within the working time of the adhesive, adhesive must be scraped down to a clean substrate and re-applied. HardSet GLU cures to a hard adhesive film with no residual tack.

NOTE: Light foot traffic 12 hours and normal traffic 24 hours after installation is completed. Heavy loads after 48 hours and 96 hours for regular maintenance, cleaning and topical surface finishes.

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