Technical Data Sheet (TDS)

LVP-777 Pro-Lux

Vinyl Flooring Adhesive

Special features

- For wet or dry lay (pressure-sensitive adhesion)
- Can be used over moisture barriers
- Very long open time
- up to 99% RH

Product Description

STAUF LVP-777 Pro-Lux is a specially formulated adhesive for the installation of luxury vinyl tiles and planks. It has an incredible green grab and has one of the highest shear strengths in the industry. It may be used as a wet lay adhesive or as a pressure sensitive adhesive. Flash time should not require more than 20-30 minutes, depending upon temperature and RH. It also works well with non-absorbent subfloors. This formulation specifically addresses issues associated with shrinkage, cupping, and end lifting/curling. LVP-777 is non-hazardous, contains no VOC, is certified as "very low emission" by an independent laboratory, and is eligible for LEED points.

Pre-Installation Checklist

A successful installation requires proper preparation of the subfloor. Read and understand all applicable guidelines and technical data sheets before installation. Follow industry standards and flooring manufacturers' recommendations for subfloor moisture content, design, layout, and application of flooring materials. All flooring material's backing must be solid, sound, and free of anti-adherents. All slab constructions must meet the specific requirements of the floor covering to be installed.

Sub Floor Examination

Prior to installation, the subfloor must be checked according to applicable installation guidelines. It must be solid and sound, flat, permanently dry, clean, free of chaps, indentations, and anti-adherents, as well as resistant to pressure and tension. The moisture content of all floors must be measured before installation.
Moisture content in concrete subfloors must be below 12#/24hr/1,000SF using the Calcium Chloride Test or less than 99% RH using the in-situ test per ASTM F1869 and F2170. If installing sheet goods, the limitations are 85% and 8#, respectively.
The following conditions MAY NOT be present: Hydrostatic pressure, Excessive vapor emissions, Missing or compromised vapor barrier, Standing water or visible dampness, Uneven and/or unapproved subfloor materials, Improper substrate preparation, Excessive exterior water (damaged water pipes, sinks, icemakers, faulty plumbing, flooding, etc.), Excessive topical moisture, improper ventilation or conditioning, or faulty maintenance of flooring, Use of Adhesives as a moisture control system below grade.

Sub Floor Preparation

Depending on the type and condition of the subfloor, a mechanical treatment (e.g. mechanical brushing, grinding, or sanding) may be required. The intensity of such work must be determined at the site by the installer. Dust, paint, residual adhesives, or other surface contaminants must be removed by suitable means. Cleaning the surface with an industrial vacuum cleaner is recommended. Cracks and gaps must be filled with concrete crack filler unless they are expansion joints. Level when necessary to 3/16 inches within 10 feet. Heated subfloors, gypcrete, wooden subfloors, levelers, patches, and lightweight concrete must be primed. Fast curing cementitious leveling or patching compounds might reduce the flash and work time of water-based products due to absorption.

Installation Procedure

Spread the adhesive with the appropriate notched trowel. Avoid excessive adhesive thickness by passing the trowel evenly through the adhesive at a 45-degree angle. Observe the appropriate flash time (if applicable). Lay the flooring into the adhesive, correctly position it and press down firmly. Be sure to check the back of the flooring to ensure a good adhesive transfer from subfloor to flooring is achieved. Roll flooring approx. 15-30 min. after installation with a 75-100# roller if recommended by the flooring manufacturer. Push down raised edges approx. 30-60 min. after installation.
When installing thin, non-porous floorings (including but not limited to VCT, LVT, LVP, SVT, Sheet Vinyl, and Carpet with Foam or Vinyl Backing) over a non-porous subfloor (including, but not limited to speed troweled concrete, epoxy and other moisture barriers, cutback mastic) a dry-lay or pressure-sensitive installation method must be used. The adhesive should be tacky but not transfer to your skin when placing your hand lightly onto the adhesive.

Limitations

When using other than STAUF products in conjunction with STAUF primers, sealers, leveling compounds, or adhesives, STAUF denies any and all responsibility for any ensuing problems and/or damages without prior written authorization from STAUF.
In case of an accident, injury, spill, or exposure, see SDS for information. Consult the Technical Data Sheet at www.staufusa.com for updated information.
This adhesive will maintain its integrity and performance even when higher levels of moisture are present. While adhesive can withstand up to 12#/24hr/1000SF (Calcium Chloride Test) and 99% RH (in-situ probe) of moisture, it does not qualify as a moisture inhibitor. Please see below for recommended sealers if a moisture barrier is required. Not suitable for areas with excessive topical moisture (i.e. melting snow, repeated flooding, pressure washing) or extreme horizontal shear forces; use R-Series adhesives under these circumstances. If sheet goods are installed, the limitations are 85% and 8#.
The foregoing representations are based on the results of our most current product and material testing within a controlled environment and are of a non-obligatory advisory nature only. As such, they do not constitute an express or implied warranty of any kind including the Warranty of Merchantability and/or Fitness for a Particular Purpose. Because we have no control over the actual quality of workmanship, materials used, and worksite conditions, STAUF USA LLC will in no event be liable for any incidental and/or consequential damages. Therefore, we strongly recommend that prior on-site testing be conducted to refer to and study the suitability of the product for the intended purpose. With the release of this Technical Information Sheet, all its prior versions become invalid. For warranty and warranty disclaimer information please see our Limited Lifetime Warranty @ www.staufusa.com

General Features
- LEED qualified
- Contains no chlorinated solvents
- Contains no solvents
- Nonflammable
- Ozone friendly
- Dispersion base cleans with water
- Freeze/thaw stable (with limitations)

Installation Features
- Long open time
- Spreads easily
- Higher temp will shorten drying time
- No risk of sensitization

Long Term Features
- Resistant against aging
- Suitable for radiant heat systems
- No health hazards
- Remains tacky

Approved Flooring
- Sheet Vinyl (homogeneous or foam backing)
- Sheet Vinyl (structured or rubber back)
- Vinyl Tiles and Planks (VCT, LVT, SVT, LVP, VET)
- Carpet (attached cushion)
- Carpet (felt, fiber, jute, woven vinyl)
- Wall/Cove base
- Sheet Vinyl (felt backed)
- Sheat Vinyl (fiber glass reinforced)
- Sheat Vinyl (heterogenous)

Approved Subfloors
- Cutback Mastic (well bonded, not brittle, tested negative for asbestos)
- Concrete Slabs
- OSB (underlayment grade)
- Plywood (underlayment grade)
- Felt backed Sheet Vinyl (well bonded, sanded, asbestos-free)
- Ceramic Tiles
- Stone, Terrazzo
- Cured Leveling Compounds
- Radiant Heated Subfloors
- Metal Floors
- Asphalt
- Stained Concretes (well bonded)

Flash Time (wet lay)
- 5-25 min. @ 70 °F (21°C)

Open Time (wet lay)
- up to 60 min. @ 70 °F (21°C)

Flash Time (dry lay)
- up to 60 min. @ 70 °F (21°C)

Open Time (dry lay)
- up to 2 hours @ 70 °F (21°C)

Approved Primers
- Primer is normally not required
- STAUF AQP-200 Eco-Prime

Approved Sealers
- STAUF ACS-210 True-Seal
- STAUF ERP-270 Perma-Seal

Approved Leveling Compounds
- STAUF ULC-500 Universal Leveling Compound
- STAUF SLC-540 Self Leveling Compound
- STAUF QFF-560 Quick Feather Float
- STAUF RLC-580 Fiber Level

Approved Trowels and Spread Rate
- Flat backed Material-#1 (1/16 x 1/16 x 1/16 in V notch) up to 170 SF/gal.
- Rough backed Material-#2 (1/8 x 1/8 x 1/16 in V notch) up to 90 SF/gal.
- Thin Flooring over non-porous subfloor using PSA-#9 (1/32 x 1/16 x 1/32 in) up to 250 SF/gal.

Cure Time until Normal Traffic
- Approx. 24 hours

Clean-Up
- Use soap and water

Temperature Range during Installation
- 50-90F (10-32C)

Relative Humidity Range during Installation
- 30% - 80%

Packaging Size
- 3 gal. Plastic Pail
- 48 per pallet

Color
- Cream

pH value of concrete
- Must be below 12.4

Transportation
- Above 32F (two freeze/thaw cycles down to 10F okay)

Storage
- Above 32F (two freeze/thaw cycles down to 10F okay)

Shelf Life
- 12 Months in original, unopened container

Shear Strength
- 52 psi