Technical Data Sheet (TDS)

PUM-955 Ultra-Nail®

Urethane-Based Wood Flooring Adhesive

Special features

- Sausage pack to be used with a sausage tool
- Works like nails in a tube

Product Description

STAUF PUM-955 is a urethane-based, high-strength adhesive for professional wood flooring installation. It does not contain isocyanates, any solvents, or other hazardous materials. It is, therefore, ozone and environmentally safe.

PUM-955 spreads easily with a specially designed gun and has a non-slump formula to allow the ridges to bridge gaps between wood floor and the subfloor. Beads are spread approx. 3 inches apart on the subfloor. Vary the height of beads to eliminate hollow spots especially when installing long planks. Since there is no water or solvent present it will not cause dimensional changes to wood flooring.

PUM-955 was designed for an easier installation of long planks on uneven or unstable subfloors instead of nail-down installation and allows for the natural movement of the floor. It can also be used to glue wood molding.
The adhesive spreads easily and has a non-slump formula that will help insure contact and adhesive transfer. It allows fast installation even with complicated patterns due to its strong green grab. There is no flash time required, so installation can commence immediately. Rolling is neither required nor recommended. It offers superior flexibility and is designed to keep the flooring in place, yet allow for normal movement during seasonal changes to the flooring.

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 NWFA installation guidelines. It must be solid and sound, flat, permanently dry, clean, free of chaps, indentations, and anti-adherents, and resistant to pressure and tension. The moisture content of all floors must be measured before installation. Moisture content in concrete subfloors must be below 3#/24hr/1,000SF using the Calcium Chloride Test or below 75% RH using an in-situ probe per ASTM F1869 and F2170.
All wood floors should have 6-9% moisture content at installation. There should be no more than a 4-5% variance in moisture content between the wood flooring and any wood subfloor. See NWFA guidelines and the wood flooring manufacturer's recommendations for details.

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 on-site by the installer. Dust, paint, residual adhesives, dirt, oil, grease, sealers, curing compounds, waxes, silicates, laitance, 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, 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 and should be primed.

Installation Procedure

Spread the adhesive using the sausage gun. Apply beads approx. ½? thick and 3? apart. Lay the flooring into the adhesive, position correctly, and press down firmly.

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.
Do not install solid wood below grade. Do not use on concrete with curing agents or sealers except approved STAUF Sealers. Do not use on damp subfloors. Do not install wood flooring with a moisture reading above 9%. Do not use adhesive as a leveling material.
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.
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

- Moisture cured urethane
- LEED qualified
- Contains no isocyanates
- Contains no water
- High shear strength
- Contains no chlorinated solvents
- Contains no solvents
- Contains no VOC (calc. per CA Rule 1168)
- Certified green
- Certified very low emission
- Nonflammable
- High solids content
- Ozone friendly
- Freeze/thaw stable

Installation Features

- Grabs quicker, less slippage
- Wet lay - no flash time required
- Superior green grab
- Non-slump formula
- Bridges normal sub floor variations
- Eliminates hollow spots
- Very low odor
- Cleans with acetone
- Excellent spread rate
- Higher temp and RH will shorten drying time
- No risk of sensitization

Long Term Features

- Resistant against aging
- Remains elastic
- Suitable for radiant heat systems
- Allows normal dimensional changes in wood flooring
- Adhesive is waterproof when cured
- Eliminates hollow spots
- No health hazards

Approved Flooring

- Planks, up to 7 in wide

Approved Subfloors

- 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

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

- Ridges 1/4 x 1/4 in: up to 100 LF/unit

Cure Time until Normal Traffic

- Approx. 48 hours

Clean-Up

- Use acetone while wet
- Use plastic scraper and terry cloth when dry

Temperature Range during Installation

- 50-90F (10-32C)

Relative Humidity Range during Installation

- 30% - 80%

Packaging Size

- 20.3 fl. oz. (600 ml) Aluminum Sausage Pack
- 20 count Case

Color

- Cream

Storage

- Dry

Shelf Life

- 12 Months in original, unopened container

Open Time	30% R/H	50% R/H	80% R/H
50F/10C	40 mins	35 mins	30 mins
70F/21C	35 mins	30 mins	25 mins
90F/32C	30 mins	25 mins	20 mins