

Technical Data Sheet (TDS)

PSA-820 Base-Tack

Pressure Sensitive Adhesive

Special features

- ▣ Superior pressure-sensitive formula for a more aggressive bond
- ▣ Professional PSA for use with LVP, LVT, modular carpet tile, and fiberglass backed sheet vinyl
- ▣ Tiles may be lifted and replaced without loss of bond
- ▣ up to 99% RH



Product Description

STAUF PSA-820 Base-Tack has been formulated to ensure superior adhesive performance under the very demanding conditions commonly found in today's fast-paced construction and raises the bar for the performance of pressure-sensitive adhesives. PSA-820 may also be used to install vinyl tile (LVT). The CRI Green-label Plus Adhesive Certification Program has certified PSA-820 as a "low VOC" adhesive.

PSA-820 is a premium, high-performance pressure-sensitive adhesive (PSA) with a tenacious bond. It is the professional's choice for installation of vinyl tile (LVT), vinyl plank, modular carpet tile, as well as, fiberglass-reinforced sheet vinyl. This adhesive can be used on most commonly found subfloors. This aggressive PSA allows for the removal and replacement of carpet tiles while maintaining a high standard of performance. It may also be used to install approved carpet cushions in double-glue installations. PSA-820 has a long working time, spreads easily, and affords easy cleanup. PSA-820 is nonhazardous and VOC compliant with zero VOC's (calculated). PSA-820 is protected by the CleanGuard® two-stage antimicrobial.

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.

Storage

Store and transport protected from freezing. Recommended minimum temperatures are 10°F for transport and 40°F for storage. Do not stir the product if frozen, allow it to thaw completely.

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 VOC (calc. per CA Rule 1168)
- ▣ Nonflammable
- ▣ Dispersion base cleans with water
- ▣ Certified green, CRI GLP

Installation Features

- ▣ Very low odor
- ▣ Cleans with warm water and soap
- ▣ Spreads easily
- ▣ Dries quickly
- ▣ Higher temp will shorten drying time

Long Term Features

- ▣ Resistant against aging
- ▣ Remains elastic
- ▣ Remains tacky

Approved Flooring

- ▣ Vinyl Tiles and Planks (VCT, LVT, LVP)
- ▣ LVT (square tiles)
- ▣ Carpet Tiles (EVA, PP, PU, bitumen)
- ▣ Carpet Cushion
- ▣ Sheat Vinyl (fiber glass reinforced)

Approved Subfloors

- ▣ Concrete Slabs
- ▣ OSB (underlayment grade)
- ▣ Plywood (underlayment grade)
- ▣ Felt backed Sheet Vinyl (well bonded, sanded, asbestos-free)
- ▣ Cured Leveling Compounds
- ▣ Radiant Heated Subfloors
- ▣ VCT (well bonded, sanded, asbestos-free)
- ▣ (Do not install non-porous flooring over non-porous subfloors)

Flash Time (wet lay)

- ▣ 20 - 40 min

Open Time (wet lay)

- ▣ up to 30 min

Flash Time (dry lay)

- ▣ 45 - 75 min

Open Time (dry lay)

- ▣ up to 24 hrs

Approved Primers

- ▣ STAUF AQP-200 Eco-Prime

Approved Sealers

- ▣ STAUF ACS-210 True-Seal

Approved Leveling Compounds

- ▣ STAUF SLC-540 Self Leveling Compound
- ▣ STAUF QFF-560 Quick Feather Float

Approved Trowels and Spread Rate

- ▣ Carpet Tile, LVP, LVT-#9 (1/32 x 1/16 x 1/32 in): up to 250 SF/gal.
- ▣ Carpet Cushion-#1 (1/16 x 1/16 x 1/16 in): up to 200 SF/gal.
- ▣ Carpet Tile and F/G sheet vinyl - 3/8 in Nap Roller: up to 350 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

- ▣ 4 gal. Plastic Pail
- ▣ 48 per pallet
- ▣ Case of 4x1 gal Plastic Pails
- ▣ 42 per pallet

Color

- ▣ White

pH value of concrete

- ▣ Must be between 7 and 9

Transportation

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

Storage

- ▣ Above 40F, protect from freezing

Shelf Life

- ▣ 24 Months in original, unopened container