

Technical Data Sheet (TDS)

BCS-827 Commercial Carpet Adhesive

Ultra Premium Commercial Carpet Adhesive

Special features

- ▣ Ultra-strong bond with maximum extended working time for greater efficiency
- ▣ The professional's choice for double glue and pattern matching applications
- ▣ Superior re-tack
- ▣ Use for the heaviest commercial applications: latex unitary, urethane attached cushion, woven polypropylene (ActionBac®), hot melt, woven, polyurethane laminate, and other commercial backings



Product Description

BCS-827 Ultra Premium Adhesive is specifically formulated for the heaviest commercial applications and has been formulated to ensure adhesive performance under the very demanding conditions commonly found in today's fast-paced construction.

This ultra-strong, low VOC adhesive is excellent for woven carpets, those with stiff unitary backings, and attached cushion backings. BCS-827 Ultra Premium Adhesive is THE professional's choice for Double-Glue and pattern matching applications. This formula has an extended working time and superior re-tack engineered to maximize installer efficiency.

BCS-827 Ultra Premium Adhesive can be used for the following carpet backings and floor coverings:

- Direct-Glue: woven polypropylene (ActionBac®, hot melt, etc.) latex unitary, polyurethane foam-backed (Enhancer® I,II,III,IV, BioCel?, and Durafoam), rubber backs, woven, axminster, needlepunch, and jute.
- Double-Glue: BCS-827 is recommended for double-glue "carpet to pad" applications with specific carpet backings approved by STAUF for this application. This adhesive can also be used to adhere to approved double-glue carpet cushions.
- Although this adhesive is formulated for carpet installations, because of its non-staining characteristics, it can be used to install felt-backed sheet vinyl.

NOTE: This adhesive is not recommended for vinyl-backed (PVC) sheet goods or carpets with urethane unitary or vinyl (PVC) backings.

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 90% RH using the in-situ test per ASTM F1869 and F2170. If installing sheet goods, the limitations are 85% and 8#, respectively.

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° angle. Observe the appropriate flash time (if applicable). Next, 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 the subfloor to flooring is achieved. Roll flooring approx. 15-30 minutes after installation with a 35# roller for double glue and 75-100# roller for sheet vinyl if the flooring manufacturer recommends. Push down raised edges approx. 30-60 min. after installation.

Storage

Store and transport protected from freezing. Recommended minimum temperatures are 35°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 90% 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
- ❑ Long open time
- ❑ Spreads easily
- ❑ Higher temp will shorten drying time

Long Term Features

- ❑ Resistant against aging
- ❑ Remains elastic

Approved Flooring

- ❑ Carpet (attached cushion)
- ❑ Carpet (felt, fiber, jute, woven vinyl)
- ❑ Carpet (latex unitary, urethane cushion, hot melt and other commercial backings)

Approved Subfloors

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

Flash Time (wet lay)

- ❑ 15 - 30 min

Open Time (wet lay)

- ❑ up to 90 min

Approved Primers

- ❑ Primer is normally not required
- ❑ 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
- ❑ STAUF RLC-580 Fiber Level

Approved Trowels and Spread Rate

- ❑ Unitary and double-glue-#6 (1/8 x 1/8 x 1/16 in U notch): up to 100 SF/gal.
- ❑ Woven Polypropylene-#7 (1/8 x 1/8 x 1/8 in U notch): up to 100 SF/gal
- ❑ Sheet Vinyl-#8 (1/16 x 1/16 x 1/16 in square notch): up to 150 SF/gal
- ❑ Attached cushions-#15 (3/32 x 3/32 x 3/32 in V notch): up to 130 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

Color

- ❑ Cream

pH value of concrete

- ❑ Must be between 7 and 9

Transportation

- ❑ Above 35F (do not stir if frozen, allow to thaw completely)

Storage

- ❑ Above 40F, protect from freezing

Shelf Life

- ❑ 12 Months in original, unopened container