

## Technical Data Sheet (TDS)

### D737 High-Tack

Universal Flooring Adhesive

#### Special features

- ▣ for wet lay or dry-lay (pressure sensitive adhesion)
- ▣ can be used over moisture barriers
- ▣ very long open time
- ▣ can be used over cutback mastic



#### Product Description

STAUF D737 is a highly specialized flooring adhesive that can be used for a wide variety of floor covering, such as: carpet, vinyl, LVP, SVT, LVT, VCT, rubber, etc. It has a great green tack, high final shear and tensile strengths and a very long open time.

STAUF D737 installation methods can vary from a traditional wet lay method, a mid level tacky, and even a drier pressure sensitive type of installation. It can also be used in conventional wet lay on a concrete slab, when installing over existing non-absorbent flooring. STAUF D737 can be applied directly over a wide variety of moisture sealers including 2 part epoxy based sealers.

STAUF D737 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 sub floor. Read and understand all applicable guidelines and technical data sheets before installation. Follow industry standards and flooring manufacturer's recommendations for sub floor moisture content, design, layout and application of flooring materials. All slab constructions must meet the specific requirements of the floor covering to be installed.

#### Sub Floor Examination

Prior to installation, the sub floor 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. Moisture content of all floors must be measured before installation.

#### Sub Floor Preparation

Depending on type and condition of sub floor, a mechanical treatment (e.g. mechanical brushing, grinding or sanding) may be required. 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 sub floors must be primed.

#### 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 make certain good adhesive transfer from sub floor 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. Use Stauf notched trowel #1 (1/16"x1/16"x1/16") for all general installations, except in the following cases:

- a) use Stauf notched trowel #2 (1/8"x1/8"x1/16") for installation of all carpets with felt, fiber, jute, action or synthetic backing on porous sub floors.
  - b) use Stauf notched trowel #9 (1/32"x1/16"x1/32") if thin, non-porous floorings (Sheet Vinyl, VCT, LVT, LVP, SVP or thin Rubber flooring) are installed over non-porous sub floors using the dry-lay or pressure sensitive installation.
  - c) use Stauf notched trowel #15 (3/32"x3/32"x3/32") to install thick, heavy and/or large flooring tiles as well as heavy sports flooring or thick flooring with heavy traffic on porous sub floors.
- When installing thin, non-porous floorings (including, but not limited to VCT, LVT, LVP, SVT, Sheet Vinyl, Carpet with foam or vinyl backing) over a non-porous sub floor (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 accident, injury, spill or exposure, see SDS sheet for information. Consult technical data sheet at [www.staufusa.com](http://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 8#/24 hrs/1,000 SF (Calcium Chloride Test) and 85% 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. 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](http://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

## Approved Flooring

- ❑ Vinyl Tiles and Planks (VCT, LVT, SVT, LVP, VET)
- ❑ Rubber Flooring
- ❑ Linoleum
- ❑ Carpet (attached cushion)
- ❑ Carpet (felt, fiber, jute, woven vinyl)
- ❑ Wall/Cove base
- ❑ Sheet Vinyl (felt backed)
- ❑ Rubber Flooring
- ❑ Cork Flooring

## Approved Sub Floors

- ❑ 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 Sub Floors
- ❑ 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"x1/16"x1/16" V notch) up to 170 SF/gal.
- ❑ Rough backed Material-#2 (1/8"x1/8"x1/16" V notch) up to 90 SF/gal.
- ❑ Thin Flooring over non-porous subfloor using PSA-#9 (1/32"x1/16"x1/32") up to 250 SF/gal.
- ❑ Sports Flooring-#15 (3/32"x3/32"x3/32") up to 130 SF/gal.

## Cure Time until Normal Traffic

- ❑ approx. 24 hours

## Clean-Up

- ❑ Use soap and water

## Temperature Range during Installation

- ❑ 50°-90°F

## 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 32 °F (two freeze/thaw cycles down to 10 °F okay)

## Storage

- ❑ above 32 °F (two freeze/thaw cycles down to 10 °F okay)

## Shelf Life

- ❑ 12 Months in original, unopened container