

Technical Data Sheet (TDS)

R701 Xtrem-Link Duo

Adhesive for Resilient & Sport Flooring Installation

Special features

- ❑ Two-Component Product
- ❑ Permanently waterproof
- ❑ Can be used indoor and outdoor
- ❑ Very high shear and tensile strength
- ❑ No VOC or solvents; Achieves LEED points



Product Description

R701 is a two-part urethane adhesive suitable for indoor and outdoor installation of flooring as well as installation over concrete slabs with very high moisture content. R701 has an extremely high shear strength making it the perfect choice for areas with high or heavy traffic, rolling loads, and building entrances where high moisture is to be expected. There is no flash time required so installation can commence immediately. R701 remains flexible throughout the seasons.

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 national standards. It must be solid and sound, level, free of indentations, and resistant to pressure and tension.

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.

Mixing of Components

Pour Part B completely into Part A. Thoroughly mix the two components with an electric mixer for at least 3 minutes until a uniform mixture and color are achieved.

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.

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.

This adhesive will maintain its integrity and performance even when high levels of moisture or water are present. While adhesive can withstand any amount of moisture, it does not qualify as a moisture inhibitor. Please see below for recommended sealers if a moisture barrier is required.

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

- ❑ Contains no water
- ❑ 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
- ❑ Isocyanate based Urethane for strong bond
- ❑ Freeze/thaw stable

Installation Features

- ❑ Wet lay - no flash time required
- ❑ Strong green grab
- ❑ Non-slump formula
- ❑ Bridges normal sub floor variations
- ❑ Very low odor
- ❑ Excellent spread rate
- ❑ Spreads easily
- ❑ Higher temp will shorten drying time
- ❑ Observe pot life during installation
- ❑ Cleans with urethane cleaner

Long Term Features

- ❑ Resistant against aging
- ❑ Suitable for radiant heat systems
- ❑ Adhesive is waterproof when cured
- ❑ No health hazards

Approved Flooring

- ❑ Synthetic Turf
- ❑ Sports Flooring
- ❑ Vinyl Tiles and Planks (VCT, LVT, SVT, LVP, VET)
- ❑ Rubber Flooring
- ❑ Linoleum
- ❑ Carpet (felt, fiber, jute, woven vinyl)
- ❑ Wall/Cove base
- ❑ Underlayments
- ❑ Cork Flooring
- ❑ NOT approved: Polyolefin/Polyethylen/Polypropylen backed Flooring

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
- ❑ Wet Concrete Slab up to 25#/24hr/1,000SF and 100% RH
- ❑ Seaming Tape
- ❑ Metal Floors
- ❑ Asphalt
- ❑ Epoxy Sealers (100% solid, cured)
- ❑ Stained Concretes (well bonded)

Approved Primers

- ❑ Primer needed on wet slabs and/or slabs under 28 days old
- ❑ STAUF EHS-265, ERP-270, ERP-275

Approved Sealers

- ❑ Sealer is normally not required
- ❑ 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.
- ❑ Trowel #4 (Outdoor on rough Surface): up to 50 SF/gal.
- ❑ Recommended Run Length: 160 LF/unit (glue 9 in wide)
- ❑ Sports Flooring-#15 (3/32 x 3/32 x 3/32 in) up to 130 SF/gal.

Cure Time until Normal Traffic

- ❑ Approx. 12 hours

Clean-Up

- ❑ Use STAUF UCL-QT while wet
- ❑ Product will damage surfaces - clean while wet

Temperature Range during Installation

- ❑ 32-100F (0-38C)

Relative Humidity Range during Installation

- ❑ 20% - 90%

Packaging Size

- ❑ 2 gal. Plastic Pail + 1-1/2 qrt. Plastic Can

Color

- ❑ Beige

Color Hardener

- ❑ Brown

Mixing Ratio

- ❑ 7 Parts A + 1 Part B by weight

Pot Life

- ❑ Approx. 45 min. @ 70F (21C)

pH value of concrete

- ❑ Resistant up to 14

Shelf Life

- ❑ 24 Months in original, unopened container

Shear Strength

- ❑ >1000 psi (6.9 N/mm²) after 7 days

Open Time	30% R/H	50% R/H	80% R/H
50 F / 10 C	90 mins	90 mins	90 mins
70 F / 21 C	75 mins	75 mins	75 mins
90 F / 32 C	60 mins	60 mins	60 mins