

TURF-SET™ TS147

Adhesive for Resilient & Flooring Installation

- **Product identifier**
- **Trade name: Turf-Set Urethane**
- **Details of the supplier of the safety data sheet**
- **Distributor:**
 - Chemical Concepts
 - 410 Pike Road
 - Huntingdon Valley, PA. 19006
 - Phone: 800.220.1966
 - chemical-concepts.com

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

Emergency Contact Number
800-535-5053 (INFOTRAC)

Product Description

Turf-Set Urethane adhesive spreads easily and has a non-slump formula that will help insure contact and adhesive transfer because the ridges will bridge normal gaps between the flooring and substrate. 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 recommended. It offers superior flexibility and is designed to adapt to seasonal changes. Turf-Set Urethane offers extremely high shear strength which makes it suitable for outdoor and indoor use.

Pre-Installation Checklist

A successful installation requires proper preparation of the subfloor. Read and understand all applicable guidelines and technical data sheets before beginning installation. Follow industry standards and flooring manufacturers' recommendations for subfloor preparation, design, layout, and application of flooring materials. The backing of all flooring material must be solid and sound, and free of anti-adherents.

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.

Installation Procedure

Spread the adhesive with the appropriate notched trowel or use a glue box to spread the adhesive onto the seaming tape. Lay the turf into the adhesive and press down firmly.

Storage

Place plastic on top of unused adhesive. Remove air pockets between adhesive and plastic. Place silica bags in the pail. Place lid on pail and seal tightly. Store pail in a cool dry place.

Limitations

When using other than Chemical Concepts products in conjunction with Chemical Concepts primers, sealers, leveling compounds, or adhesives, Chemical Concepts denies any and all responsibility for any ensuing problems and/or damages without prior written authorization from Chemical Concepts.

Do not install during heavy rain or where water has accumulated.

Do not install below 32°F (0°C) or above 100°F (38°C). Use only on approved seaming tapes.

In case of an accident, injury, spill, or exposure, see SDS for information. Consult the Technical Data Sheet at chemical-concepts.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, Chemical Concepts, INC 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 @ chemical-concepts.com



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General Features

- ❑ Contains no water
- ❑ Contains no chlorinated solvents
- ❑ Contains no solvents
- ❑ Contains no VOC (calc. per CA Rule 1168)
- ❑ Nonflammable
- ❑ High solids content
- ❑ Ozone friendly
- ❑ High strength moisture-cured urethane
- ❑ 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

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 Materials

- ❑ Synthetic Turf
- ❑ Sports Flooring

Approved Subfloors

- ❑ Concrete Slabs
- ❑ Seaming Tape
- ❑ Asphalt

Approved Substrates

- ❑ 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)

Flash Time (wet lay)

- ❑ no

Open Time (wet lay)

- ❑ approx. 45 mins @ 70°F (21°C)

Approved Primers

- ❑ Primer is normally not required
- ❑ Eco-Prime

Approved Sealers

- ❑ Sealer is normally not required
- ❑ True-Seal
- ❑ Perma-Seal

Approved Leveling Compounds

- ❑ Leveling is normally not required

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. 24 hours

Clean-Up

- ❑ Product will damage surfaces - clean while wet

Temperature Range during Installation

- ❑ 50-90F (10-32C)

Relative Humidity Range during Installation

- ❑ 30% - 80%

Packaging Size

- ❑ 3 gal. Plastic Pail
- ❑ 48 per pallet

Color

- ❑ Cream

pH value of concrete

- ❑ Resistant up to 14

Shelf Life

- ❑ 12 Months in original, unopened container

Shear Strength

- ❑ 580 psi (4.0 N/mm²) after 7 days

Open Time	30% R/H	50% R/H	80% R/H
50 F / 10 C	60 min.	50 min.	40 min.
70 F / 21 C	50 min.	40 min.	30 min.
90 F / 32 C	40 min.	30 min.	20 min.

