Technical Data Sheet (TDS)

UPS-670 Vari-Seal UV

Universal Protective Sealer

Special features

- Two-part urethane clear coat
- Seals and protects indoor concrete
- UV and chemical resistant

Product Description
UPS-670 is a two-part urethane sealer used to protect and seal unfinished concrete while providing a clean prepared surface suitable for all foot traffic. It is not only a sealer but also provides UV resistance, and harsh chemical resistance and can be cleaned and maintained for years to come.

Pre-Installation Checklist
A successful installation requires proper preparation of the subfloor. Read and understand all applicable guidelines and Technical Data Sheets before installation.

Sub Floor Examination
Prior to installation, the subfloor must be checked according to applicable installation guidelines. It must be solid, sound, clean, porous, free of chaps, anti-adherents, and resistant to pressure and tension. Confirm sufficient porosity by performing a water drop test according to ASTM F3191-16. Check for missing or compromised vapor barriers and hydrostatic pressure by carrying out RH or CaCl moisture tests following ASTM standards F1869-16 or F2170-19. Results of 99% RH or 25# CaCl could indicate a higher moisture content in the slab than what tests can measure, and there might be hydrostatic pressure and/or a compromised or missing vapor barrier.

Sub Floor Preparation
The condition of the subfloor will determine which type of mechanical treatment is required (e.g. wire brushing, sanding, grinding, or shot blasting). Dust, paint, curing compounds, sealers, residual adhesives, or other surface contaminants MUST be removed and a porous surface achieved by suitable means. The extent of subfloor preparation can only be determined at the site by the installer. Clean the surface with an industrial vacuum cleaner and tack the floor with a damp microfiber mop before application. Do not use sweeping compounds unless they are water-based as most others will contain oil or wax which will act as an anti-adherent and prevent primers, sealers, leveling compounds, coatings, and/or adhesives from bonding to the concrete. Cracks and gaps must be treated prior to application of primers, sealers, leveling compounds, coatings, and/or adhesives (for details see Technical Information #19 @ www.staufusa.com).

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.
After mixing both components thoroughly wait for approx. 15 minutes, then mix again for 1 minute.
Add 2 quarts of clean water to the mix for the first (primer) coat.

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.
Do not dilute primer/sealer or mix with other products.
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 chlorinated solvents
- Contains no VOC (calc. per CA Rule 1168)
- Nonflammable
- Not freeze/thaw stable

Installation Features
- Creates dust free surface
- Very low odor
- Excellent spread rate
- Spreads easily
- Excellent penetration of subfloor
- Dries quickly
- Higher temp and RH will shorten drying time
- Observe pot life during installation

Long Term Features
- Resistant against aging

Viscosity [cps]
- 250 cps (add 2 qrt water when used as primer)

Approved Subfloors
- Concrete Slabs

Approved Trowels and Spread Rate
- 3/8 in. Nap Roller: up to 400 SF/gal (4 mil)

Drying Time
- Between 2 and 12 hours

Temperature Range during Installation
- 50-90F (10-32C)

Relative Humidity Range during Installation
- 30% - 80%

Packing Size
- 2-1/2 gal. Metal Combo Pail (A+B)
- 60 per pallet

Density [lbs./gal.]
- 8.77 lbs/gal

Color
- Clear

Color Hardener
- Clear

Mixing Ratio
- 5 Parts A + 1 Part B by weight
- 5.4 Parts A + 1 Part B by volume

Pot Life
- Approx. 2 hours @ 70F (21C)

pH value of concrete
- Resistant up to 14

Storage
- Above 32F, not freeze/thaw stable

Shelf Life
- 24 Months in original, unopened container

Transportation
- Above 32F, not freeze/thaw stable