

LEVEL-SEAL ULC500

UNIVERSAL LEVELING COMPOUND

STAUF®

— ADHESIVES SINCE 1828 —

PRODUCT DESCRIPTION

ULC-500 Level-Seal is a two component urethane leveling compound capable of creating a moisture barrier of up to 18#s CC or 97%RH. Level-Seal provides STC and IIC and can be directly adhered to in just under 4 hours. Product must be applied at a minimum of 1/32" but can be applied up to 5". ULC-500 is extremely durable and may be used in conjunction with other STAUF products.

PRODUCT FEATURES

General Features:

- moisture cured urethane
- LEED qualified
- works under any type of flooring
- dries in less than 2 hours
- contains no water
- contains no solvents
- contains no VOC
- certified "green"
- certified "very low emission"
- nonflammable
- high solids content
- ozone friendly
- Isocyanate based Urethane for strong bond
- Freeze/thaw stable
- bridges cracks
- contains no plasticizers

Installation Features:

- creates dust free surface
- eliminates hollow spots
- very low odor
- spreads easily
- dries quickly
- higher temp will shorten drying time
- observe pot life during installation
- suppresses minor cracks in concrete slabs
- cleans with urethane cleaner

Long Term Features:

- Resistant against aging
- Remains elastic
- Suitable for radiant heat systems

PRODUCT USAGE

Approved Sub Floors:

- Concrete Slabs
- OSB (underlayment grade)
- Plywood (underlayment grade)
- Vinyl (well bonded, grinded, tested negative for asbestos)
- Ceramic Tiles
- Stone, Terrazzo
- Radiant Heated Sub Floors
- Wet Concrete Slab up to 18#/24hrs/1,000SF and 97%RH
- Metal Floors
- Asphalt

Packaging Size:

- 1-3/4 gal. Plastic Pail + 1-1/2 qt. Plastic Can
- 48 per pallet

Thickness:

- 1/32" to 5"

Mixing Ratio:

- 7-1/2 Parts A + 1 Part B by weight

Spread Rate:

- XBL11 (1/8" x 5/32"): up to 50 SF/gal.

Pot Life:

- approx. 20 min @ 70°F (21°C)

Shelf Life:

- 24 Months in original, unopened container



INSTALLATION PROCEDURE

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, clean, free of chips and anti-adherents, as well as resistant to pressure and tension. While this product can withstand any moisture it is not a moisture barrier beyond the limitations stated below. Moisture content of all floors must be measured before installation.

Sub Floor Preparation:

The condition of the sub floor 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 pollutants MUST be removed by suitable means. Extent of sub floor preparation can only be determined at the site by the installer. Clean the surface with an industrial vacuum cleaner, tack or damp mop floor before application. Do not use sweeping compounds as most will contain oil or wax which will act as an anti-adherent and prevent primers, sealers, leveling compounds and/or adhesives from bonding to the concrete. Cracks and gaps must be treated prior to application of primers, sealers, leveling compounds 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 or until a uniform mixture and color is achieved.

Installation:

Spread the leveling compound within approx. 20 min. Do not pour the compound in one spot but evenly over the entire (approx. 6 by 6 foot) area to be covered. The self-leveling compound does not need to be leveled mechanically and forms an even surface by itself. Protect the leveling compound from direct sunlight and draft during drying.

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.

LEVELER PROPERTIES

Cure Time before Flooring Installation

- approx. 4 hours

Clean-up

- Use STAUF URG-QT if dried
- Use STAUF UCL-QT while wet

Temperature Range During Installation

- 50° - 90°F

Relative Humidity Range During Installation

- 20% - 90%

Weight (lbs./gal.)

- 11.9

Color

- Cream

Color Hardener:

- Brown

USAGE & ACCIDENT INFORMATION

Please refer to our technical data sheet and MSDS for information. See website at www.staufusa.com.