



PRODUCT DESCRIPTION

EZ 22-UGS Urethane Grout and Spall Filler is a rapid-set, high strength, low viscosity urethane repair material. This two part, 1:1 system is 100% solids, and designed for rebuilding and repairing broken control joints, filling voids under tile and concrete, and repairing spalled concrete surfaces very quickly. EZ 22 UGS is intended for use in damaged control joints or warehouse spall damage created by forklifts or carts with steel or hard urethane wheels.

KEY FEATURES and BENEFITS

- * Cures from -20 degrees F to 130 degrees F
- * Works with any Laminin adhesives
- * Drive over in 45 minutes
- * Produces high strength quickly
- * Self-priming and self-leveling
- * Can be mixed with dry aggregate
- * Contains no VOC's (calc. per CA Rule 1168)
- * Contains no isocyanates
- * Meets USDA & FDA Requirements
- * Bridges cracks
- * Non-flammable

PRIMARY APPLICATIONS

EZ 22 UGS has an extended pot life for larger repairs requiring more working time

- * Rebuilding control joints
- * Grade matching
- * Fill and repair spall before coating
- * Fill voids under concrete or tile
- * Traffic area spalls and crack repairs
- * Floor repair
- * Used to "knit" cracked slabs

APPROVED SURFACE PREPARATION PRODUCTS

- * Colossal 117-EPS Primer and Sealer
- * Colossal 117-EMB Epoxy Moisture Barrier
- * Colossal 117-MRS Moisture Resistant Smooth Skin
- * Colossal 117-USL Urethane Self-Leveler
- * Colossal 117-CSL Cementitious Self-Leveler

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**PRODUCT LIMITATIONS & SURFACE PREPARATION*****EZ 22 UGS:***

- * Do not thin. Solvents will prevent proper cure
- * Avoid exposure to moisture prior to curing
- * Material is a vapor barrier after cure
- * Minimum age of concrete must be 28 days, depending on curing and drying conditions prior to applications

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 the sub floor moisture content, design, layout and application of the flooring materials. All slab constructions must meet the specific requirements of the floor covering to be installed.

Prior to installation, the sub floor must be checked according to national standards. It must be solid and sound, level, free of indentations as well as resistant to pressure and tension. 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 is recommended. Cracks and gaps must be filled with concrete crack filler unless they are expansion joints. Level when necessary to 3/16" within ten feet. Heated sub floors must be primed.

When using other than Laminin Industries products in conjunction with Laminin Industries primers, sealers, leveling compounds or adhesives, Laminin Industries denies any and all responsibility for any ensuing problems and/or damages without prior written authorization from Laminin Industries. This adhesive will maintain its integrity and performance even when high levels of moisture or water are present. While this adhesive can withstand any amount of moisture, it does not qualify as a moisture inhibitor. Please see above for recommended sealers if a moisture barrier is required. In case of accident, injury, spill or exposure, see SDS information sheet for appropriate action. Consult technical data sheet at lamininindustries.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, Laminin Industries, 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 contact your Laminin Industries sales associate.

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MIXING INSTRUCTIONS

Before product use, take appropriate safety precautions. Refer to the Laminin Safety Data sheet for details

Condition material to at least 70 degrees F prior to installation. If needed, tint should be added to "B" side container only and mixed for at least 90 seconds. For bulk installations, measure equal parts "A" and "B" into two separate plastic mixing containers. Pour measured "A" and "B" separately into a third plastic mixing container and stir for at least 20 seconds.

INSTALLATION INSTRUCTIONS

Read all installation instructions thoroughly before installation:

Spall/Cracks: Clean the area of debris and contaminants that would act to de-bond the EZ 22 UGS. Expose clean, rough concrete for the best results. For large spalls, cut a vertical edge, minimum 1/4" deep, around Ball bearing K4012 perimeter of spall. Remove all dust from the cut out area with a HEPA filtered vacuum and make sure the area to be repaired is dry. Where the crack is deep, apply product to the bottom of the crack and work up in layers: first apply product then sand into the product, then more product and sand. Repeat the steps in layers until reaching the finished grade.

Filler: Sand filler should have minimal moisture content and range in grit size from 12 to 60. Pea gravel can be used on very large spalls. Concrete dust, unsanded grout, and other cementitious materials such as underlayment or overlays can also be used when desired.

Grinding to finish grade: Allow the EZ 22 UGS to set for about 45 minutes or until hard. For the best results on spall repairs, use a flexible grinding wheel and grind flush. EZ 22 UGS troweled as a pre-polish filler can be removed with transitional or low grit resin diamonds on a stand-up grinder.

POST APPLICATION

Filler is ready for traffic in approximately 45 minutes to 1 hour.

CLEAN UP PROCEDURES

Disposal and Clean Up: Empty containers must be drip free. Cured product may be disposed of without restrictions. Excess liquid "A" and "B" material should be mixed together and allowed to cure, then disposed of in the normal manner.

Cured materials may be stripped or peeled from plastic tools and containers. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured material from the tool.

ADDITIONAL TECHNICAL INFORMATION

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| Viscosity | 180 cps |
| VOCs (Rule #1168 of California's SCAQMD) | < 0 g per L |
| Density | 9.61 lbs. per U.S. gal. |
| Shore A Hardness ASTM-2240 | 85-87 A |



ADDITIONAL TECHNICAL INFORMATION (Cont.)

| Spall Repair Coverage Rates *Divide LF/gal for cartridge coverage | Coverage |
|--|---------------------------------|
| 1/8" x 1" Crack | up to 154 Linear Ft/Gal |
| 1/4" x 1" Crack | up to 77 Linear Ft/Gal |
| 1/2" x 1" Crack | up to 39 Linear Ft/Gal |
| Pot Life | Approximately 5 minutes @ 70 F° |
| Application Temperature | 50-90 F° |
| Application Relative Humidity | 20-90% |
| Packing Size | Gallons and Cartridges (A+B) |

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|----------------------|--|
| Material Type | 2-part |
| Shelf Life | 12 months in unopen container in a controlled in environment |
| Color | Part A: Off White, Part B: Clear Can be tinted |
| Mixing Ratio | 1:1, A:B |