



# EZ 22 SF85

*SuperFlex Polyurea Joint Filler*

## PRODUCT DATA SHEET

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### **PRODUCT DESCRIPTION**

EZ-22-SF85 Superflex Polyurea Joint Filler is a moisture insensitive, self-leveling, 100% solids, two component Polyurea Elastomer joint and crack filler. Designed for concrete with low to medium thermal cycling, EZ-22-SF85 cures rapidly and consistently in applications ranging from 30 degrees F to 130 degrees F. EZ-22 SF85 is tack free in four minutes and areas can be reopened to vehicle or foot traffic within one hour after installation. EZ-22 SF85 is designed to fill interior random cracks, damaged control joints, or new control joints on horizontal concrete and is best suited for industrial floor applications where heavy vehicle traffic, such as forklifts or steel wheeled carts, is commonplace. EZ-22 SF85 is semi-rigid, allowing small slab movement, yet strong enough to protect the vertical edges of control joints in concrete from spalling under extreme loading.

### **KEY FEATURES and BENEFITS**

- \* Moisture Insensitive
- \* Works with any Laminin adhesives
- \* 100% Solids
- \* Can be polished without smearing
- \* Cures in approximately 1 hour
- \* Freeze/Thaw stable
- \* Contains no VOC's (calc. per CA Rule 1168)
- \* Cures from 30 degrees F - 130 degrees F
- \* Meets USDA & FDA Requirements
- \* Suitable for radiant heat systems
- \* Non-flammable
- \* Resistant against aging, remains elastic

### **COMMON APPLICATIONS**

- \* Meets USDA & FDA Requirements
- \* Pulp and Paper Mills
- \* Airports
- \* Water and Waste Treatment
- \* Food Processing Facilities
- \* Warehouse Floors
- \* Manufacturing Facilities
- \* Bottling and Canning Facilities
- \* Plywood (Underlayment grade)

### **APPROVED SURFACE PREPARATION PRODUCTS**

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



## **PRODUCT LIMITATIONS & SURFACE PREPARATION**

### ***EZ 22 SF85:***

- \* Do not thin. Solvents will prevent proper cure
- \* Not for sealing cracks under hydrostatic pressure
- \* Material is a vapor barrier after cure
- \* Minimum age of concrete must be 28 days, depending on curing and drying conditions prior to applications
- \* All personnel should read and understand product Safety Data Sheets available on [lamininindustries.com](http://lamininindustries.com). Long-sleeved overall or disposable overalls, rubber gloves, splash shields, rubber or leather boots should be worn. Do not use near high heat or open flame. Do not take internally. Keep out of reach of children.
- \* Surface must be clean and sound. Remove dust, grease, curing compounds, waxes, foreign particles, and disintegrated materials. 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 2 minutes. Only compound "B" side needs to be stirred before loaded into pump. For bulk installations, use a 1:1 ratio metered pump. Do not allow material to reside in static mixing head or nozzle for more than 30 seconds or nozzle blockage may result.

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](http://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*

\* Mix 1:1 part A and part B in chosen sizes (Gallon, Cartridges). 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 2 minutes. Only component "B" side needs to be stirred before being loaded into the pump. For bulk installations, use a 1:1 ratio metered pump. Do not allow material to reside in static mixing head or nozzle for more than 30 seconds or nozzle blockage may result.

## **INSTALLATION INSTRUCTIONS**

*Read all installation instructions thoroughly before installation:*

\* Before filling joints, the joint should be free from any slurry, dust or debris, and each joint side wall should be profiled with a diamond saw blade exposing fresh uncontaminated concrete. It is imperative to remove all previously installed joint filler or floor coatings from the joint sidewall on renovation projects before installing new semi-rigid joint fillers. Vacuum maintenance is often overlooked. Without proper suction from the vacuum, the joint side walls will remain contaminated by a thin layer of dust acting as a bond breaker. We always recommend vacuuming the joints a second time after cleaning the joints with the joint saw.

When using cartridges, shake cartridge for 1 minute. Work out a small amount of product into a separate container until sufficiently blended for application. Work nozzle along joint, filling it completely. Try to avoid any unnecessary overfill. Apply along the joint smoothly and consistently for entire length of the joint.

## **POST APPLICATION**

Overfill can be removed after product has cured, approximately 1 hour. A hand scraper or auto scraper is recommended.

## **CLEAN UP PROCEDURES**

\* Cured product may be disposed of without restrictions. Excess liquid "A" and "B" material should be mixed 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**

Shore A Hardness ASTM-2240	85-87 A
Viscosity	15000 cps
VOCs (Rule #1168 of California's SCAQMD)	< 0 g per L
Density	10.43 lbs. per U.S. gal.
pH Limit	14



**ADDITIONAL TECHNICAL INFORMATION (Cont.)**

<b>Trowels Recommendations</b>	<b>Coverage</b>
<b>1/2"x 1/2" Joint</b>	up to 77 Linear Ft/Gal
<b>Pot Life</b>	Approximately 30 seconds @ 74 F°
<b>Final Cure</b>	1 Hour
<b>Application Temperature</b>	50-90 F°
<b>Application Relative Humidity</b>	20-90%
<b>Packing Size</b>	Gallons and Cartridges (A+B)

<b>Material Type</b>	2-part Polyurea
<b>Shelf Life</b>	12 months in unopen container in a controlled in environment
<b>Color</b>	Semi Clear, can be tinted
<b>Mixing Ratio</b>	1:1, A:B