

POLY-FILL UJF

DESCRIPTION

POLY-FILL UJF is a 100% solids two component, self leveling, polyurea formulation designed for filling holes, cracks, expansion joints on interior horizontal concrete surfaces. The semi-rigid cured property of POLY-FILL UJF will support the concrete edges of joints better than soft, flexible joint compounds. POLY-FILL UJF has sufficient resilience to allow 10 – 15% movement of installed joints. It retains resilience at temperatures as low as -40°F. The mixture is easily applied into cracks and joints. POLY-FILL UJF cures tack free in 5 minutes, and is ready for recoating in 1 hour.

BENEFITS

- 100% Solids
- Rapid Gel Time
- Return to Service in 1 hour.
- 460–500% Elongation
- Cures from -40°F to 130°F
- Odorless, No Toxic Vapors
- USDA Approved
- Semi-Rigid Even At Low Temperatures

TYPICAL USES

- Industrial Facilities
- Freezers
- Retail Stores
- Warehouse Floors
- Food Processing
- Manufacturing Facilities

COLORS

POLY-FILL UJF is available in Black, Dark Grey, Light Grey, and Tile Red.

LIMITATIONS

POLY-FILL UJF is an aromatic based polyurea which may discolor over time if exposed to ultraviolet light; however the physical properties will not be affected. It is designed for horizontal surfaces only and cannot be used on vertical surfaces. Substrate must be clean, sound, and dry. This product is not recommended for outside applications.

NOTE: PINHOLES/ SMALL VOIDS MAY BE PRESENT IN THE SEALANT.

THIS DOES NOT AFFECT THE PRODUCTS PERFORMANCE.

CONDITIONS FOR PROPER INSTALLATION

1. Substrate temperature limits are -40°F to 130°F during installation and while curing. **The product temperature must be between 70° – 90°F.**
2. Concrete floor and joint slots must be dry.
3. Concrete slabs must be allowed to cure a minimum of 30 days before installing POLY-FILL UJF. This waiting period is necessary due to the unpredictable shrinking characteristics of concrete while it is curing.
4. Joint slots must be cleaned free of all debris. Dust must be removed with an air hose or high powered vacuum.
5. When applying to metal, the surface needs to be scratched with 36 grit paper or a grinder and clean of all debris.
6. All moving joints need to be honored and should not be covered with a floor system.
7. When honoring joints, make sure the joint is clean down to a depth of 1"-1 1/2". Then set closed-celled backer rod to a depth of 3/4" to 1" maximum. The backer rod should be twice the width of the joint. **NEVER USE SAND IN AN HONORED JOINT.**

POLY-FILL UJF

PHYSICAL PROPERTIES

VOC Content	0 g/L
Solids Content	100%
Gel time	30 seconds
Working Time, blended	20 seconds
Trim time	60 Minutes minimum
Return to service	1 hour
Tensile - ASTM D 412	620 psi
Elongation - ASTM D 412	460-500%
Cured Hardness, Shore A	70
Viscosity	Pourable mastic consistency
Available Colors	Black, Dark Grey, Light Grey, or Tile Red
Shelf Life	1 year, unopened containers

CARTRIDGE PREPARATION

1. Shake cartridge for 2-3 minutes to ensure proper mixing at 70° F or higher.
2. Remove plug cap inserts, clean and place aside. If all material is not used, the cartridge can be sealed again.
3. While keeping the cartridge upright, attach static mixer to top and slide collar back onto the cartridge and tighten to prevent any leakage.
4. Insert cartridge into the 2-component dispensing gun keeping everything upright, 45-90 degrees at all times. The material has low viscosity and can run out of the mixer if pointed downward.

APPLICATION INSTRUCTIONS

1. Always use rubber gloves since the product adheres to skin and is very difficult to remove once cured.
2. The tip of the static mixer can be cut to allow more material flow but this should be done only when applying to large cracks or joints. Do not cut off more than two segments of the static mix head as this will eliminate all back pressure in the mixer and will cause improper mixing.
3. **While keeping the gun vertical, begin dispensing the material until the static mixer is about half full. Dispense the first 1-2 ounces of material into a waste container.**
4. Immediately fill the joint or crack until the material crowns the surface. **For best results, use a pneumatic dispensing gun from Cox North America Ph# 800-822-8114, Part# PPA-300B or a cordless electric dispensing gun part # Power push 7000. Pneumatic and electric guns control the rate of pressure on the tubes better than a manual gun, reducing the chances of mis-mixing.** A manual dispensing gun can be used from Cox North America Ph# 800-822-8114, Part #PPM-330. **If using a manual dispensing gun, make sure to use long steady pulls on the trigger to eliminate**

any mix errors. Do not stop the process once you start as the material will cure in the static mixer.

5. Allow to cure for 60 minutes minimum and then slice off the excess with a mastic scraper. Do not wait more than 2 hours to shave off excess as the material will become very difficult to cut.
6. **When honoring joints over a finished floor, you will need to tape the edges of the joint. As the joint is being filled, another person should follow within two feet and pull the material flat with a plastic putty knife. Pull the tape 10 minutes later.**
7. The material is ready for return to service in 1 hour.

ESTIMATED COVERAGE RATES

Joint measuring 1/4" x 1/2"

10 gallon kit = 1500 linear feet

110 gallon kit = 16,500 linear feet

1 Case of Cartridges = 250 linear feet

JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

PACKAGING

POLY-FILL UJF is available in 10 and 110 gallon kits, and in cases of 10 - 600 ml duplex cartridges.

CAUTION

POLY-FILL UJF contains modified polyurea, which may irritate skin. Use of rubber gloves, eye shields and good ventilation is recommended when using this product. If skin contact occurs, wash with soap and water. If eye contact occurs, open lids wide and flush with clear water for 15 minutes. Call physician for advice. **Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN.**

Before using any DUR-A-FLEX, Inc. product, be sure the Material Safety Data Sheet is read and understood.