

Perma-Joint Sealant FS



OVERVIEW & FEATURES

Perma-Joint Sealant FS is a dual cartridge system composed of a two-component, 100% solids polymer designed for application where a resilient, fast-setting joint material is needed. The semi-clear, unpigmented material is packaged in a dual-cartridge system and comes with a 1/2" 30 element static mixing nozzle and retainer nut. Perma-Joint Sealant FS is recommended for concrete and cement expansion joints in general industry.

Fast-Setting - Under normal temperature applications (70°F), Perma-Joint Sealant FS can withstand light foot traffic within one hour of application.

VOC Compliant - Perma-Joint Sealant FS is 100% solids, making it safe for use in all regulated areas.

Durable - This material can withstand heavy traffic over time as well as absorb impact from continuous fork lift or steel-wheeled equipment.

APPLICATION

Product Storage - Bring the material to normal room temperature before using. Continuous storage should be above 55°F (13°C) to prevent crystallization.

Surface Preparation - All dirt, oil, dust and foreign contaminants must be removed prior to application to ensure a trouble-free bond to the substrate. It is recommended that all loose concrete, previous joint compound and other foreign material be removed to leave a clean joint at least 1/2" deep. For the best results, edges should be saw-cut and a backer rod should be placed within the joint. Joint depth should be at least 1/2 the joint width from the top of the backer rod to the top of the joint with a minimum depth of 1/2". Substrate must be 5°F above the normal dew point.

Product Mixing - It is important that the material be mixed (shaken) before using to avoid soft spots. Perma-Joint Sealant FS has a very short pot life of 1-2 minutes and should be applied continuously once opened to prevent the tip from becoming clogged. Improper mixing may result in product failure.

To assemble, hold the tubes with tip facing upward. Remove the closed-end on the cartridge system with a screwdriver. Next, place the static mix nozzle over the tube set ends. Finally, slip the screw collar over the tip and tighten on the tube set and place the tube set into the dual tube applicator. Always dispense a small amount onto cardboard or other disposable surface to prevent non-mixed material from entering the joint. Do not allow material to mix prior to dispensing as it will cure within 1-2 minutes.

Product Application - Discard any unmixed portion of material at the start of each application. This product should be applied with a dual cartridge caulking gun using the 1/2" diameter 30 element tip.

It is advisable to work with one small area at a time. Apply the mixed product by pumping the material in a continuous motion into the expansion joint to be repaired. If the material stands for more than 1 minute after initial use, the material within the static tube will partially cure and the nozzle will need replaced. The material in the individual tubes is unaffected by the curing of the product in the static nozzle. Remove any excess material with a razor or similar tool when the material has set. On areas that are not shaved or leveled, roughen the surface to maximize adhesion of subsequent coating. Maintain temperatures within the recommended ranges during the application and curing process. In lower temperatures, allow more time for this material to cure.

Re-coat or Topcoat - If you opt to re-coat or topcoat this product, material must be fully-cured. Many epoxy and urethane coatings are suitable for use as topcoats. It should be noted that when excessive expansion joint movement is involved, topcoats may chip or crack.

Limitations - Do not point tubes upward after the mixing nozzle has been attached and product has been dispensed, this may cause material to flow back into the tubes and cause clogging.

Clean-Up - Use xylol.

Floor Cleaning - Some cleaners may affect the color of the floor installed. Test each cleaner in a small, area, utilizing your cleaning technique before cleaning entire surface.

PRECAUTIONS

- Use with adequate ventilation
- Skin or eye exposure or inhalation can result in serious medical problems
- Avoid contact with eyes, skin and clothing; in the event of eye contact, immediately flush eyes with water and contact a physician
- Wear gloves or protective creams; if skin contact occurs, wash at the first opportunity with soap and water
- Keep out of the reach of children

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Technical Data	Perma-Joint Sealant FS
Shore D Hardness (ASTM D 2240)	40 - 45
Tensile Strength (ASTM D 638)	1,984 psi
Abrasion Resistance 1000 g total load, 1000 rev, CS17 wheel (ASTM D 5963)	18.2 mg loss
Adhesion (ASTM D 4541)	410 psi, concrete failure
Shelf Life	6 months, unopened and stored at room temperature
Coverage Tube (600 mL, 0.1558 gal.)	11-12 ft. (1/2" wide, 1/2" deep)
*Curing Schedule (70°F)	
Pot Life	1-2 minutes
Recoat/Topcoat	1 hour
Light Foot Traffic	1-3 hours
Full Cure	3-5 days
Packaging (Kit)	1 Tube Cs. 6 Tubes Cs. 12 Tubes

* Time varies depending on air temperature and humidity.

For specific recommendations and coverage rates, please contact your local Garland Representative.

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Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or the home office for more information.