Perma-Joint Sealant

since 1895

OVERVIEW & FEATURES

Perma-Joint Sealant is a flexible 100% solids, VOC compliant epoxy/urethane hybrid joint sealant. This unique formulation provides 50% elongation to allow for greater joint movement while maintaining an excellent joint seal. Perma-Joint Sealant has been formulated to combine durability and flexibility.

Perma-Joint Sealant is used to fill control and expansion joints in concrete floors. If the floor area is to be coated, it is recommended that the joints be filled prior to the application of any coatings. Perma-Joint Sealant is an excellent choice for protection against dirt collection and bacteria growth. Perma-Joint Sealant can also be used to fill the saw cuts from power trowel applications.

Perma-Joint Sealant is ideal for use in most food, pharmaceutical plants, clean rooms, high maintenance areas and high tech industries require that the floor areas have a smooth, monolithic surface.

Pourable Formulation - Perma-Joint Sealant can be poured into the expansion joints from a funnel-shaped dispenser to hasten the application. Perma-Joint Sealant can also be dispensed through a refillable caulking gun, such as a COX gun. For a more controlled application, the joint should be saw cut.

Mixing - Perma-Joint Sealant is a 1:1 mix ratio product. One part is white and the other is black. When mixed, the product becomes gray. If white or black streaks appear in the mixed product, it is not mixed thoroughly and will have uncured soft spots.

Hybrid Formulation - The advanced formulation can be applied in industrial settings as well as manufacturing areas. The combination of urethane and epoxy creates a product that has excellent adhesion and resiliency for long life protection of joints and saw cuts.

VOC Compliant - Perma-Joint sealant is 100% solids and contains no volatile solvents. It is safe for use in all regulated areas.

APPLICATION

Product Storage - Bring the material to normal room temperature before using. Continuous storage should be between 50˚ - 90˚F (10˚ - 32˚C). Low temperatures or great temperature fluctuations may cause product crystallization.

Surface Preparation - All dirt, foreign contaminants and oil must be removed to assure a trouble-free bond to the substrate. All loose concrete, previous joint compound or other foreign material must be removed to leave a clean, sound joint at least 2” (50.8 mm) deep. For best results, edges should be saw cut and a 1” (25.4 mm) backer rod should be placed into the joint leaving approximately 1” - 1.5” (25.4 - 38.1 mm) form the top of the backer rod to the top of the joint.

Product Mixing - It is important that the product be mixed well. Mix Part A and Part B with a 1:1 ratio in an oversized mixing container. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. Avoid high speed mixing.

Priming - No primer is necessary.

Product Application - Apply the mixed product by pouring the mixed material into the expansion joint. Remove any excess material with a putty knife or similar tool prior to curing. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process.

Re-coat or Topcoat - If you opt to re-coat or topcoat this product, be sure that the original coating has cured. Many epoxy and urethane coatings are suitable for use as topcoats.

Clean Up - Use xylol.

PRECAUTIONS

- WARNING! Some cleaners may affect the color of the floor installed. Test each cleaner in a small, area, utilizing your cleaning technique before cleaning the entire surface.
- Use with adequate ventilation
- Wear gloves or protective creams; avoid contact with eyes, skin and clothing
- Skin or eye exposure or inhalation can result in serious medical problems; if skin contact occurs, immediately flush eyes with water and contact a physician
- Keep out of the reach of children
- For industrial use only

Perma-Joint Sealant

Technical Data	Perma-Joint Sealant
Flexural Strength (ASTM D 790)	2,782 psi
Tensile Strength (ASTM D 412)	3,289 psi
Elongation At Break @ 70˚F (21˚C) (ASTM D 412)	50.4%
Recommended Thickness	1/2" - 1 1/2" (12.7 - 38.1 mm)
Shelf Life	6 months, unopened
Working Time @ 70˚F (21˚C)	A 2 gallon mixed unit left undisturbed will harden in 30 to 40 minutes
***Set Time @ 70˚F (21˚C)**	
Tack Free	4 - 6 hours
Recoat or Topcoat	10 - 12 hours
Light Foot Traffic	16 - 24 hours
Full Cure	3 - 5 days
Color	Gray (mixed)
Coverage	
2 gallon (7.5 l)	140 lf. at 1/2" x 1/2" wide 42.67 lm at 12.7 x 12.7 mm wide
Packaging (Kit)	2 gallon (7.5 l)

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

For more information, visit us at: www.garlandco.com

The Garland Company, Inc.
3800 East 91st Street
Cleveland, OH 44105
FAX: 216-641-0633
Phone: 216-641-7500
Toll Free: 800-321-9336

Garland Canada Inc.
209 Carrier Drive
Toronto, Ontario
Canada, M9W 5Y8
FAX: 416-747-1980
Phone: 416-747-7995
Toll Free: 800-387-5991
(Only in Canada)

The Garland Company UK, LTD
Second Way Centre, Second Way
Avonmouth, Bristol UK BS11 8DF
Phone: 011 44 1174 401050 (Outside UK)
Toll Free: 0800 328 5560 (Only in UK)