

DESCRIPTION

Prioflex SR is a two component semi-rigid epoxy system, 100% solids, designed for filling control and construction joints in industrial concrete floors. Prioflex SR prevents joint edge deterioration, remaining flexible after installation. Complies with ACI 302 requirements for joint fillers.

PACKAGING

Prioflex SR is supplied in 1 gal kit (3.4-liters) or in 5-gallon (19-liters) pails.

STORAGE AND SHELF LIFE

The two components should be stored in a cool, dry area out of direct sunlight. The materials should be stored between 65 and 75 °F (18 to 24 °C) for **24 hours** prior to use for optimum handling properties. The shelf life of the components in their unopened original cans is one year.

PHYSICAL PROPERTIES (Liquid Material)

Property	Results
Flash Point, °F (°C)	Part A: 302 (150)
Setaflash closed cup (ASTM D3278).....	Part B: >230 (>110)
Percent solids, by weight (ASTM D2369).....	Part A: 100 Part B: 100
Density, lb/gal (Kg/L) (ASTM D1475)	Part A: 10.6 (1.27) Part B: 9.8 (1.17) Mix: 10.5 (1.26)
Shelf Life.....	Minimum 1 year
Viscosity, cps Brookfield (ASTM D2196)	Part A: 3500 - 4500 Part B: 3500 - 4500 Mix: 3500 - 4500
Volatile organic compound, lb/gal (g/L) (ASTM D3960).....	Mix A+B 0 (0)

PHYSICAL PROPERTIES (Dry Film)

Property	Results
Hardness, Shore A (ASTM D2240).....	80
Tensile strength (ASTM D638).....	700 psi
Ultimate elongation (ASTM D638).....	95%
Impact resistance (MIL D3134).....	No cracking or delamination
Inflammability (ASTM D635).....	Self-extinguishing

PRELIMINARY FLOOR INSPECTIONS

Check the concrete

Concrete must be at least 60 days old and free of curing membrane, paint or other sealer. Concrete joint must be structurally sound, clean, dry and above 65 °F to assure a successful installation.

Check for moisture

Readings must be **below 3.0 lbs/24 hr/1,000 sq. ft.** on the calcium chloride test.

Check the ambient conditions

Floor temperature and materials should be between 65 °F (18 °C) and 90 °F (32 °C). **DO NOT use unless floor temperature is more than five degrees over the Dew Point.**

LIMITATIONS

This product is not designed for exterior use, immersion, or any use where moisture can reach the underside of the coating.

Do not use as a true expansion/isolation joint sealer.

Prioflex SR is not designed for use in joints exposed to extreme chemical environments.

Joint design will affect the performance of this product.

Product may discolor in direct or strong artificial light.

Do not thin. Addition of thinners will slow down the cure and reduce the ultimate properties of this product.

EQUIPMENT

- Protective clothing
- Jiffy-type mixer blade
- Slow speed drill (500 rpm or less)
- Dustless concrete saw with diamond blade
- Caulk gun - optional
- Razor knife

PREPARATION

Use a dustless concrete saw with diamond blade to clean the joints. Remove curing compounds, old sealant and/or contaminants from joint faces. Failure to do so will compromise the adhesion of the product. All joints must be absolutely clean, dry and free of oil. No primer is needed.

A ¼" maximum layer of clean dry silica sand may be used in through-slab construction joints or contraction/control joints exceeding 2" in depth ONLY.

JOINT FILLER – PRIOFLEX SR

Coverage

Coverage of material will depend upon joint dimensions and will vary depending on texture, porosity and profile of the substrate. Theoretical coverage of product is:

Joint Width	Joint Depth		
	1.5" (38 mm)	2" (51 mm)	2.5" (63 mm)
3/16" (4.8 mm)	68 ft (5.5 m)	51 ft (4.1 m)	41 ft (3.3 m)
1/4" (6.4 mm)	51 ft (4.1 m)	38 ft (3.1 m)	30 ft (2.4 m)
3/8" (9.5 mm)	34 ft (2.7 m)	25 ft (2.0 m)	20 ft (1.6 m)

* Values are shown in linear feet/gallon and linear meters/liter.



Mixing

It is important to remember that this material has a limited pot life. Therefore it is wise to check and make sure everything is in order before starting the mixing sequence.

The recommended mixing procedure is:

- 1.- **Pre-mix** each part separately.
- 2.- Mix **4.5 Parts A to 1 Part B by volume** or **mix entire kit** by adding all of the Part B into the Part A. Do not mix more material than can be applied in 20 minutes period at 24°C. **High temperature will accelerate curing and reduce pot life.**
- 3.- Mix with a Jiffy-type mixing paddle and slow speed drill during 2 to 3 minutes. Make sure that sides of the can are scraped to assure that all of the resin and hardener are thoroughly mixed. The mixed product should be uniform gray in color and not show streaks. Do not introduce air while mixing. Failure to do so could result in weak or partially cured spots in the coating, diminishing the coating properties.

Application

Prioflex SR may be applied by pouring directly into the joint or by using a professional quality caulk gun.

The recommended application procedure is:

- 1.- Pour the mixed material into the joint, filling it approximately 1/2" of floor surface.
- 2.- Allow the material to cure for at least 1 hour and then complete filling of the joint, leaving the material "crowned" above the floor.

Dry time

The floor area should be maintained at a temperature range between 65 and 90°F during application and curing. Allow the material to cure solid (about 10-12 hours approximately) and cut flush with a razor knife with the floor surface. Prioflex SR is ready for light traffic in 24 hours at 75°F. Allow more time when temperature is below 70°F.

MAINTENANCE

Prioflex SR can present separation and cracks due to natural concrete shrinkage. Fill any fissure with additional Prioflex SR.

CAUTIONS

WARNING! USE WITH ADEQUATE VENTILATION. Use proper respiratory protection when required. Avoid contact with eyes, skin and clothing. If skin contact occurs, wash at the first opportunity with soap and water. If eye contact occurs, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. CALL A PHYSICIAN.

DO NOT TAKE INTERNALLY! KEEP OUT OF THE REACH OF CHILDREN! FOR INDUSTRIAL USE ONLY.

LIMITED WARRANTY.- This Warranty applies only if the products were installed according to the mentioned specifications. **PRICOAT** will replace the defective product ONLY. Exclusions from Coverage: **PRICOAT** shall not be liable under any circumstances for:

- Faulty or improper application of the product or for injuries or damages of any kind whatsoever.
- Variations, weathering, surface cracking, deformation or any other changes derived from the use.
- Leaks or product damages resulting from anything other than an inherent manufacturing defect.
- Damage caused by improper storage, neglect, abuse, misuse or improper upkeep and maintenance.
- Products that have been altered in any way from their original configuration (for instance, addition of solvent).
- Damage caused by factors that are beyond the control of **PRICOAT**. The serviceable life of the product is affected by several factors such as substrate preparation, product application, maintenance and normal wear. These factors are beyond our control for which **PRICOAT** make no warranty.

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Assistance.- For more information please contact our Priccoat specialists by phone at (614) 481-4344.

