

ITW PHILADELPHIA RESINS EXPANSION JOINT COMPOUND

TECHNICAL BULLETIN #1018-B

DESCRIPTION

ITW Philadelphia Resins EXPANSION JOINT COMPOUND is a two component epoxy resin formulation intended as a flexible foundation seam sealant. It has good adhesive strength and flexibility over a wide temperature range.

USES

For sealing joints where expansion and contraction movement will take place. EXPANSION JOINT COMPOUND is particularly effective with concrete structures and forms part of ITW Philadelphia Resins' standard design recommendation for stationary diesel and gas engine installation. Expansion joints should be spaced in accordance with the recommendations of Bulletin No. 643. To obtain adequate extensibility the correct cross section must be maintained; please see the reverse side of this bulletin for suggestions.

ADVANTAGES

- Excellent adhesion to concrete, masonry, cured epoxy, glass, aluminum, steel, wood and many other construction materials.
- Remains flexible over a wide temperature range, 0°F to 150°F (-18°C to 65°C).
- Durable and weather resistant.
- Vibration and impact resistant.

PROPERTIES

COLORS:	Red, Gray
CONSISTENCY:	Self-leveling, flowable liquid
CURE TIME:	24 hours at 75°F (24°C) 48 hours at 55°F (13°C)
ELONGATION:	200%
MIXING RATIO BY WEIGHT:	12 parts resin to 1 part hardener
PACKAGING:	Resin: 1 gallon can. Net weight 6 lbs. 8 oz. (2.95 kg) Hardener: 1 pint can. Net weight 8.5 oz. (241 g) Mixed unit provides 152 cu. in. (2.5 liters)
POT LIFE:	45 minutes
USEFUL TEMPERATURE RANGE:	0°F - 150°F (-18°C to 65°C)

APPLICATION

Store the resin and hardener at between 70°F (21°C) and 80°F (27°C) for 24 hours before use. All surfaces must be sound, clean and dry. Remove all oils, grease, previous caulking, efflorescence and protective coating, etc. New concrete must be completely cured. Application should be made when the joint is as near mid-working temperature range as practicable, but above 55°F (13°C). Mix EXPANSION JOINT COMPOUND by adding the hardener to the resin can and using a small Jiffy mixer blade at 200 rpm in an electric drill. Mix for three minutes. Clean all tools with IMPAX IXT-59 solvent. A trowelable mixture can be made by adding dry sand to mixed EXPANSION JOINT COMPOUND.

ITW PHILADELPHIA RESINS

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