

Technical Bulletin # 1027

Product Description

IMPAX Flexible Joint Sealant is a two-component, 100% solids, polymer hybrid containing both urethane and epoxy resins that provide a resilient filler for expansion joints. This chemistry allows excellent flexural strength and elongation while maintaining impressive tensile strength. It has good adhesive strength and flexibility over a wide temperature range.

Use & Benefits

A filler and sealer for narrow masonry control joints and grooves to prevent damage to the joint and its edges.

Surface Preparations

All surfaces must be sound, clean and dry. Remove all oils, grease, previous caulking and coatings prior to application. Insert a backer rod into the joint leaving approximately 1" (2.54 cm) from the top of the backer rod to the top of the joint. To insure adequate joint elasticity, the depth of the material should not exceed twice the width. Tape off the joint up to the edge on either side.

Application Instructions

The concrete surface must be at or near a mid-working temperature range during application. Power mix equal parts of Component A and Component B until streak-free using a metal mixing blade (Jiffy Model HS or equal). Pour mixture slowly into the joint allowing the material to settle. A second application may be necessary if material settles too much. Scrape joint level with floor using putty knife and remove tape. Allow 24 hrs. before opening to traffic.

Physical Properties

TENSILE ELONGATION	50% @ Breaking Point @ 72°F (22°C)
VISCOSITY	Part A - 350 to 550 Poise Part B - 200 to 350 Poise
FLASH POINT	200°F (93°C)
SERVICE TEMPERATURE	-40°F to 200°F (-40°C to 93°C)

Product Information

COLOR	Gray
MIX RATIO	1:1 equal parts resin/hardener by volume
COVERAGE (approximate)	231 in ³ (1,490 cc)
APPLICATION TEMPERATURE	Above 55°F (12°C)
CURE TIME (approximate)	Moderate Service -- 24 hrs. @ 72°F (22°C) @ 50% RH Full Cure -- 5 days @ 72°F (22°C) @ 50% RH
POT LIFE	45 mins. @ 72°F (22°C)
CLEAN UP	IMPAX IXT 59 Solvent
SHIPPING WEIGHT	1-gal. Unit – 16.5 Lbs. (7.48 Kg)
PACKAGING per Unit	Resin (NH) - 6 lbs. (2.7 kg), 0.72 gal (2.7 L) in a 1/2 gal can, Hardener (H) – 6 lbs. (2.7 kg), 0.72 gal (2.7 L) in a 1/2 gal can
SHELF LIFE	12 months in closed container stored @ 500F to 900F (100C to 320C)

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ESTIMATION GUIDE

Linear Feet Per Gallon
Each Gallon Yields Approximately 231 cu.in.

Width of Joint

Depth of Joint	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
1/4"	308	205	154	123	102	88	77
3/8"		136	102	82	68	58	51
1/2"			77	61	51	44	38
5/8"				49	41	35	30
3/4"					34	29	25
7/8"						25	22
1"							19

Precautions

Provide ample ventilation in all areas of handling, mixing and use. Avoid prolonged breathing of possible fumes. Minimize skin contact. Use of goggles, rubber gloves and protective creams is recommended. Always wash exposed areas immediately using warm water and soap, followed by rinsing with clear water. Observe all safety precautions when using any type of solvent for skinning or cleaning tools and equipment.

Date

10/2005

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