

Technical Bulletin # 426A

Product Description

IMPAX Flexible Joint Sealant is an interior, two-component polymer hybrid, designed to provide a resilient filler for expansion joints. The chemistry provides excellent flexural strength and elongation, while maintaining impressive tensile strength.

- 100% Solids, solvent-free product
- Excellent adhesive strength and flexibility
- Pourable grade, superior workability
- Easily mixed with drill and mixing blade
- High chemical resistance

Surface Preparation

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 ensure 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 prior to application.

Mixing and Application Instructions

The concrete surface must be at, or near, a mid-working temperature range during application. Premix both components prior to mixing them together. 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. Do not reduce this material. Do not scrape or drain containers.

Estimation Guide

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

Depth of Joint	Width 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

Technical Information

COLOR:	Gray
VOLUME SOLIDS:	100% reactive
VOC:	0 lbs./gal. (0 g/L.) (based on mixed components)
COVERAGE:	231 cu. in/gal (Approx. 3800 cubic cm/gal) (See chart on preceding page)
PACKAGING:	1 gal. unit consists of 1/2 gallon can of resin and 1/2 gallon can of hardener (3.78 liters unit volume) 10 gal. unit consists of 1 five gallon pail of resin and 1 five gallon pail of hardener (38 liters unit volume)
APPLICATION TEMPERATURES:	55° minimum to 100°F maximum (13° C min to 38° C max) *Must be 5°F above dew point
RELATIVE HUMIDITY:	90% maximum
SERVICEABILITY:	Moderate Service- 24 hrs. @ 72°F (22°C) @ 50% RH Full Cure- 5 days @ 72°F (22°C) @ 50% RH
MIXING RATIO:	1:1 equal parts resin/hardener by volume
POT LIFE:	30 min. @ 72°F (22°C)
FLASH POINT:	200°F (93°C)
VISCOSITY:	17,000 cps
CLEAN UP:	IMPAX IXT 59 Solvent
SERVICE TEMPERATURE:	-40° to 200°F (-40° to 93°C)
TENSILE ELONGATION:	130% @ Breaking Point @ 72°F (22°C)
SHELF LIFE:	12 months in closed container stored @ 50° to 90°F (10° to 32°C)

Date

07/2006

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