



TECHNICAL DATA SHEET

PROTECTOR-FLEX JOINT FILL

PRODUCT DESCRIPTION

The Concrete Protector's Protector-Flex Joint Fill is a two component, 100% solids epoxy joint fill system designed for applications where a resilient joint material is needed.

STANDARD COLORS: Uncolored natural
OTHER COLORS ALSO AVAILABLE: N/A
REVISION DATE: October 22, 2021

CURE SCHEDULE (70°)

POT LIFE (1.5 GAL VOLUME): 15-25 min.
TACK FREE (DRY TO TOUCH): 8-12 hours
RECOAT OR TOPCOAT: 5-8 hours
LIGHT FOOT TRAFFIC: 8-18 hours
FULL CURE: 3-5 days

COVERAGE

Recommended for concrete/cement expansion joints.
COVERAGE PER GALLON: : 2 gallon kit @ 1/2" by 1.0"
yields 74-78 lineal feet
MIX RATIO: 1 to 1 by volume
RECOMMENDED FILM THICKNESS: 1/2" to 1 1/2"
PACKAGING INFORMATION: 2 gallon kit, 10 gallon kit

PHYSICAL PROPERTIES

FLEXURAL STRENGTH: N/A
COMPRESSIVE STRENGTH: 4,100 psi
TENSILE STRENGTH: 2,450 psi
ADHESION: 450 psi (elcometer) – no delamination/concrete failure
VISCOSITY: Mixed= 30,000 cps – 60,000 cps (typical)
ABRASION RESISTANCE: 6.1 mg loss with a 1000 gram total load at 1000 revolutions with a CS10 wheel
ELONGATION AT BREAK: 60%
HARDNESS: Shore D= 58 Shore D
VOLATILE ORGANIC CONTENT: Zero pounds per gallon
SHELF LIFE: 1 year in unopened containers properly stored at normal room temperature.
SOLIDS BY WEIGHT: 100%
IMPACT RESISTANCE: Excellent

CHEMICAL RESISTANCE

REAGENT	RATING
XYLENE	A
1,1,1 TRICHLOROETHANE	A
METHANOL	A
ETHYL ALCOHOL	A
SKYDROL	A
10% SODIUM HYDROXIDE	D
50% SODIUM HYDROXIDE	C
10% SULFURIC ACID	C
70% SULFURIC ACID	A
10% HCl (aq)	C
5% ACETIC ACID	A

RATING KEY: A - Not Recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.
NOTE: extensive chemical resistance information is available through your sales representative.



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LIMITATIONS

- Color stability may be affected by environmental conditions such as high humidity, chemical exposure or exposure to certain types of light such as sodium vapor lighting.
- Colors may vary from batch to batch.
- Natural color is not transparent.
- Substrate temperature must be 5°F above dew point.
- All new concrete must be cured for at least 30 days prior to application
- This product must be mixed very well before using. Improper or inadequate mixing can cause isolated soft spots and subsequent failure.
- Apply sample installation at an off-sight location before using material in a commercial setting to become familiar with material limitations.
- Product is not UV color stable.
- Test data based on neat resin.
- Physical properties are typical values and not specifications.

BENEFITS

- Strong and flexible
- Great impact resistance
- Long pot life
- 100% solids
- VOC compliant
- Can be thickened by adding dry sand

INSTRUCTIONS

- 1) Pre-mix Part A and Part B separately
- 2) Combine 1 part Part A and 1 part Part B, mix thoroughly with low speed mixer
- 3) Optional- Add 1 part sand to thicken.
- 4) Pour into the joint and remove any excess material with a putty knife or similar tool.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY:

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