



MANUFACTURED BY BONSTONE MATERIALS CORP.

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DATA SHEET

JOINT FIL

MANUFACTURER

Bonstone Materials Corporation

PRODUCT DESCRIPTION

Boncrete™ JOINT FIL is a two-component, semi-rigid epoxy for filling control joint in industrial concrete floors. JOINT FIL is a heavy duty filler designed for use in compliance with ACI 302, Section 4.10 recommendations for semi-rigid epoxy joint fillers used in sawcut and control joints.

Basic Uses:

- Functional filler for control joints in concrete to support joint edges & reduce spalling
- Industrial and commercial floors
- Interior application
- Crack filler for older floors

Features & Benefits

- Semi-rigid epoxy that allows for limited movement of concrete
- Slight resilience helps absorb hard-wheel impact
- Suitable for filling cracks in older floors to reduce the rate of deterioration
- Self-Leveling

Appearance: The Boncrete™ JOINT FIL part A is a pigmented gray color. The part B is beige colored. A gray color, similar to concrete, is obtained when part A is mixed with part B. Boncrete™ JOINT FIL is also available on special orders in various colors.

Limitations: Not to be used as an expansion joint sealer. Not to be used outdoors. Not to be used for freezer or refrigerator joints.

TECHNICAL DATA

(see next page)

INSTALLATION

Surface Preparation & Use: Use gloves, wear eye protection, and avoid skin contact. The concrete joint must be completely dry and dust-free. All joints should be cleaned to their full depth of 2" minimum. Open surface texture or bare concrete is recommended for all joint facings. In filling floor cracks, the cracks should be routed out and cleaned before filling. Mix only the amount of epoxy which can be used in 30 minutes. Mask areas which must be kept free of epoxy. Clean uncured epoxy from tools with toluene or xylene. Remove cured epoxy mechanically.

Mixing instructions: All materials should be at or above 55°F. Premix each part separately before combining the two ingredients at the following volume ratio: one part Boncrete™ JOINT FIL Part A to one part Boncrete™ JOINT FIL Part B. Pour part B hardener into the part A resin and mix thoroughly with mechanical mixer for two minutes-- ingredients must be blended homogeneously for proper cure. DO NOT hand mix.

Installation: JOINT FIL should be installed full-depth in the joint or crack. DO NOT use backer rod.

Temperature dependency: Temperature will affect the working properties of the material. Do not use at a temperature below 50°F.

AVAILABILITY

Packaging and storage: JOINT FIL is available in gallon units, and 5 gallon pails. Shelf life is approximately one year if kept in unopened cans in a dry area at 75°F.

WARRANTY

This warranty is limited to replacement of defective material and freight charges to destination only. Bonstone Materials Corp. is not responsible for consequential damages.

TECHNICAL DATA

Mixed Properties

Values

Test Methods

Mix Ratio:	1 part Joint Fil Part A, to 1 part Joint Fil Part B, by volume	
Viscosity, Part A:	7,400 cps	
Viscosity, Part B:	5,700 cps	
Pot Life @ 75°F:	25-35 minutes	

Cured Properties

Initial cure time @ 75°F:	6 - 8 hours	
Full cure @ 75°F:	24 hours	
Tensile Strength:	401 psi	ASTM D-638
Tensile Modulus:	2,837 psi	ASTM D-638
Tensile Elongation at break:	20 %	ASTM D-638
Tear Strength:	148 lb/in.	ASTM D-624
Shore "A" Hardness:	85	ASTM D-2240
Shore "D" Hardness:	50	ASTM D-2240
Adhesion to concrete:	502 psi	ASTM D-4541

COVERAGE CHART

Approximate per-gallon coverage is:

Joint size	Per gallon
1/4" wide x 2" deep joint	40 lineal feet
3/16" x 1-1/2"	70 lineal feet
1/8" x 1-1/4"	125 lineal feet