



FE-95 EXPANSION JOINT

The STEBBINS Engineering and Manufacturing Company
Watertown, NY USA
<http://www.StebbinsEng.com>

PRODUCT INFORMATION

DESCRIPTION

STEBBINS' FE-95 EXPANSION JOINT is a 2-component epoxy-based product that is designed to provide a combination of flexibility and chemical resistance. It does not contain combustible or flammable solvents that require special safety precautions. It is a 100% solids formulation. Because it is formulated to exhibit a very low exotherm, it is especially useful in filling large voids where conventional epoxies would generate too much heat during cure. It bonds very well to most substrates, resists thermal cycling, and can be compressed to 65% of its original volume without exhibiting stress cracking.

FE-95 can be poured or pumped, and a thickening agent can be added in applications where increased viscosity is needed such as expansion joints installed in a sloped floor.

COMPONENT PACKAGING

A unit of FE-95 EXPANSION JOINT is supplied as two (2) separately packaged components:

RESIN COMPONENT	PACKAGING	WEIGHT PER CONTAINER
FE-95 Resin (Small Unit)	(1) 1-gallon (3.8 L) Metal Pail	6.5 lb (2.95 kg)
FE-95 Resin (Large Unit)	(1) 5-gallon (19 L) Metal Pail	30.0 lb (13.6 kg)

HARDENER COMPONENT	PACKAGING	WEIGHT PER CONTAINER
FE-95 Hardener (Small Unit)	(1) 1-pint (473 mL) Snap-lid Can	0.75 lb (340 g)
FE-95 Hardener (Large Unit)	(1) ½-gallon (1.9 L) Metal Pail	3.3 lb (1.5 kg) Each

TYPICAL PHYSICAL PROPERTIES

Color	Amber
Density	62 lbs/ft ³ (1047 kg/m ³)
Shore A Hardness	85-90
Shore D Hardness	33-39
Compressive strength	1,000 psi (7 MPa)
Water Absorption, %	0.2%
Total Shrinkage Upon Setting and Cure	Less than 1%

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WORKING AND SETTING TIMES (TYPICAL)			
Temperature	50°F (10°C)	70°F (21°C)	90°F (32°C)
Working Time	100 minutes	35 minutes	20 minutes
Setting Time	4 hours	2 hours	50 minutes
Full Cure	96 hours	72 hours	24 hours

APPLICATION

FE-95 can be pumped or poured, as required, to form expansion joints in addition to filling voids or create a seal around inserts.

STORAGE

Do not store in direct sunlight. Store in a cool, dry area.

Keep the containers dry and the lids closed tight.

SAFETY PRECAUTIONS/DISCLAIMER

Mixes and applications of this product present a number of hazards. The buyer and user must read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.

All data contained in this Product Information sheet are averaged results of ASTM tests on laboratory prepared samples. Reasonable variations can be expected. The data should not be used for specification purposes.

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