



Epoxy 800 Flexible

Data Sheet

Part # E800

DESCRIPTION: Epoxy 800 Flexible is two component, flexible epoxy resin modified for added adhesion properties with flexibility of up to 50% elongation. Epoxy 800 Flexible contains no solvent and is 100% solids, assuring ease of application.

TYPICAL USES:

Flexible coatings, joint compounds, mortars, grouts, highly filled compounds, flexible laminates and adhesives.

FEATURES & BENEFITS:

- High adhesion and flexibility
- Low odor
- 100% solids, no VOCs
- Excellent bonding
- Creates a seamless floor

CHEMICAL PROPERTIES*:

	Result
Specific Gravity (grams/cc)	1.10
Viscosity (cps)	950 – 1200
Solids by Volume/Weight	100%
Volatile Organic Compounds	0 lbs/gal
Mix Ratio by Volume	1A (resin) : 1B (hardener)
Pot Life (neat coating)	25 – 30 minutes
Gel Time @ 77°F (25°C)	25 – 35 min
Walk on Time (light foot traffic)	3 – 4 hrs
Full Cure	7 days
Coverage Rate per Gallon	1/8" x 1/4" joints = 300 ln.ft. per gallon 1/4" x 1/2" joints = 150 ln.ft. per gallon
Recommended Application Temperature	65 – 85°F (18.3 – 29.4°C)
Color	light amber
Shelf Life - unopened containers	12 months

TYPICAL PHYSICAL PROPERTIES*:

	Test	Result
Hardness (Shore D)	ASTM D-2240	42
Tensile Strength (psi)	ASTM D-638	2250
Flexural Strength (psi)	ASTM D-790	4000
Elongation (%)	ASTM D-638	150
HDT	ASTM D-648-264	25°F (-3.8°C)

MOISTURE VAPOR TESTING: All concrete floors not poured over a proper moisture barrier are subject to possible moisture vapor transmission or hydrostatic pressure problems. These problems can cause a coating system to blister or fail. Before applying a coating system over a concrete floor which is on-grade or below grade, a moisture test is recommended to ensure that moisture content meets industry recommended standards.

SURFACE PREPARATION: The surface to be coated should be clean and free of any contaminants such as grease, oil or incompatible coating materials. Epoxy 800 Flexible should be applied over a dry surface. Do not apply over any previously applied epoxies or coatings.

MIXING INSTRUCTIONS: Use between 65 – 85°F (18.3 – 29.4°C) that includes both product and ambient temperatures. Mix resin and hardener for 3 to 5 minutes being certain to scrape the bottom and sides of the mixing container. Mix only the amount of material that can be applied before expiration of the pot life, which is approximately 30 minutes.

(continued)

CONCRETE SOLUTIONS® EPOXY 800 FLEXIBLE (continued):

APPLICATION INSTRUCTIONS: First apply mixed product by brush to inside surface of joint to be filled as a prime coat.

After priming, fill the joint with a mixture of Epoxy 800 Flexible and #60 silica sand using a 5 inch wide putty knife. Mix 1 part Epoxy 800 Flexible with 1 – 2 parts of #60 silica sand using a stir stick to create a paste like mixture. The Epoxy 800 Flexible and sand mixture is then pressed into the joint to fill it level to the surrounding surface with the putty knife to create a seamless floor. If needed, the Epoxy 800 Flexible and sand mixture can be ground using a 4 inch grinder and an aluminum oxide grinding disc to provide a smooth uniform surface.

NOT RECOMMENDED FOR: Do not apply to concrete less than 28 days old. Do not apply to concrete polymer applications.

HOW SUPPLIED: Epoxy 800 Flexible is packaged in 2 gallon kits.

STORAGE: ≥50°F (10°C)

SAFETY PRECAUTIONS: Health Considerations: Consult the Rhino Linings® Safety Data Sheets (SDS).

Chemical systems require the use of proper safety equipment and procedures. Please follow the Rhino Linings® product SDS and Safety Manual for detailed information and handling guidelines.

For Your Protection: The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Rhino Linings Corporation. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Rhino Linings Corporation will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors.

Because of numerous factors affecting results, **Rhino Linings Corporation makes no warranty of any kind, express or implied**, other than that the material conforms to its applicable current Standard Specifications. Rhino Linings Corporation hereby disclaims any and all other warranties, including but not limited to those of merchantability or fitness for a particular purpose. No statements made herein may be construed as a representation or warranty. The liability of Rhino Linings Corporation for any claims arising from or sounding in breach of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.

©2016 Rhino Linings Corporation. All rights reserved.



Rhino Linings Corporation

9747 Businesspark Avenue, San Diego, CA 92131
858-450-0441 • Fax 858-450-6881
1-800-422-2603
www.rhino linings.com

Concrete Solutions by Rhino Linings

7455 Carroll Road, San Diego, CA 92121
1-800-232-8311 • Fax 858-566-4346
www.concretesolutions.com