

Epoxy Systems'TM Flexible Epoxy

100% Solids Flexible Epoxy Membrane & Mortar

GENERAL DESCRIPTION

Epoxy Systems' Flexible Epoxy is a flexible resin used as an epoxy membrane and as a flexible epoxy mortar. Epoxy Systems' Flexible Epoxy is a two component, 100% solids epoxy used as a base in many Epoxy Systems' Flexible Epoxy Floor and Mortar Systems. Flexible Epoxy resists cracking caused by horizontal substrate movement, providing a crack resistant, resilient, sound absorbent, waterproof, durable floor.

Epoxy Systems' Flexible Epoxy offers stress-relieving properties for floor slabs that show movement or vibration. Flexible Epoxy is excellent for use in areas such as mechanical equipment rooms, large animal rooms and activity centers.

ADVANTAGES

- 2 Crack Resistant - Elasticity Allows Substrate Movement*
- 2 Ultimate Elongation of 100%*
- 2 Moisture Insensitive*
- 2 Reduces Noise Created by Mechanical Vibrations*
- 2 Waterproof*
- 2 Good Shock Absorption Qualities*
- 2 Good Chemical Resistance*

SURFACE PREPARATION

Surface must be clean and sound. Remove all dirt, laitance, grease curing compounds and other foreign matter by sandblasting, shot blasting, or mechanical abrasion. Remove water and dust from all surfaces with an oil-free blast immediately prior to application.

MIXING AND INSTALLATION INSTRUCTIONS

Application of Epoxy Systems' Flexible Epoxy can be applied with brush roller or spray. When spraying back-roll to ensure good contact with surface. Two coats at a minimum thickness of 20 mils each (80 square feet per gallon) is recommended. Do not use in temperatures below 50 degrees F, as cooler temperatures delay hardening.

SAFETY PRECAUTIONS

Prolonged or repeated exposure may cause eye and skin irritation. If contact occurs, wash immediately and seek medical help. Use safety glasses with side shields and wear protective rubber gloves.

CLEANING

All tools and equipment should be cleaned before the system gels. Use MEK, Acetone, or any lacquer solvent.

| APPLICATION PROPERTIES @77 DEGREES F | |
|---|--------------------------|
| Mix Ratio | 1:1 by volume |
| Gel Time | 40 minutes |
| Color | Gray, Clear |
| Viscosity (mixed) | 2,200 CPS |
| Initial Cure | 8 hours |
| Final Cure | 48-72 hours |
| PHYSICAL AND PERFORMANCE PROPERTIES | |
| Tensile Strength (ASTM D-412) | 1000 psi |
| Ultimate Elongation (ASTM D-412) | 100% |
| Adhesion (unprimed - ASTM D-904) | 30 pli |
| Adhesion to Concrete (ACI Committee 403) | 250 psi (Concrete Fails) |
| Hardness Shore A (ASTM D-2240) | 70-80 |
| Impact Resistance (ASTM D-2794) | 16 ft. lbs. |

For more information about this product or any other Epoxy Systems'TM product, please contact:

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