

# Epoxy.com Flexible Epoxy #32

## 100% Solids Flexible Epoxy Membrane & Mortar

### **GENERAL DESCRIPTION**

Epoxy.com Flexible Epoxy is a flexible resin used as an epoxy membrane and as a flexible epoxy mortar. Epoxy.com Flexible Epoxy is a two component, 100% solids epoxy used as a base in many Epoxy.com 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.com 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**

*Crack Resistant - Elasticity Allows Substrate Movement*

*Ultimate Elongation of 100%*

*Moisture Insensitive*

*Reduces Noise Created by Mechanical Vibrations*

*Waterproof*

*Good Shock Absorption Qualities*

*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.com 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.

<b>APPLICATION PROPERTIES @77 DEGREES F</b>	
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
<b>PHYSICAL AND PERFORMANCE PROPERTIES</b>	
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.com product, please contact:

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