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## Epoxy.com Product #32

### Flexible Epoxy Membrane and Mortar

### Epoxy Crack Isolation System for most Epoxy.com Flooring and Coating Systems

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#### GENERAL DESCRIPTION

Epoxy.com Product #32 Flexible Epoxy is a flexible resin used as an epoxy membrane and as a flexible epoxy mortar. Epoxy.com Product #32 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 Product #32 Flexible Epoxy offers stress-relieving properties for floor slabs that show movement or vibration. Product #32 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 140-150%
- Moisture Insensitive
- Reduces Noise Created by Mechanical Vibrations
- Waterproof
- Good Shock Absorption Qualities
- Good Chemical Resistance
- Meets USDA requirements

## 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. See [Epoxy.com Surface Preparation Guide](#) for more details.

## MIXING AND INSTALLATION INSTRUCTIONS

Application of Epoxy.com Product #32 Flexible Epoxy can be applied with brush roller or spray. When spraying back-roll to ensure good contact with surface. One coats at a minimum thickness of 32-40 mils each (40-50 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 @75° F</b>	
Mix Ratio	1:1 by volume
Working Life	30-40 minutes
Color	White
Viscosity (mixed)	4,800 CPS
Tack Free	10-12 hours
Recoat	12-48 hours

Full Set Time	48-72 hours
Final Cure - Max Resistance	5-10days

PHYSICAL AND PERFORMANCE PROPERTIES	
Tensile Strength (ASTM C-307)	1650 psi
Ultimate Elongation (ASTM D-412)	140-150%
Volatile Organic Content (VOC) (EPA Method 24)	25 g/l, Compliant to low VOC Rule 1113 in all 50 states
Adhesion to Concrete (ASTM D-7234)	350-400+ psi (Concrete Fails)
Thermal Cycling ASTM C884	No Cracking
Flammability ASTM D635	Self Extinguishing
Hardness Shore A (ASTM D-2240)	70-80
Hardness Shore D (ASTM D-2240)	60-65
Impact Resistance (ASTM D-2794)	16 ft. lbs.

Proper mixing and installation is critical to the optimal success of all products. See [Installation Tips](#), [Techdata](#), & [MSDS](#) for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

## Epoxy.com

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**321-206-1833 Customer Service - Ordering and Order Status**  
**Katey Lambert-Fontaine, VP - Chief Operations Officer**  
[sales@epoxy.com](mailto:sales@epoxy.com)

**Technical Support**  
**352-533-2167 Norm Lambert, President - Technical Support Director**  
[info@epoxy.com](mailto:info@epoxy.com)

**352-489-1666 Accounting and Administration**  
**Debby Lambert, CEO, and CFO Debby Lambert, CEO, and CFO**

**352-489-1625 Fax line to all Departments**

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