



# Epoxy.com Product #459

## Polyurethane Flexible Membrane

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### DESCRIPTION

**Epoxy.com Product #459** is a two component, high solids, elastomeric urethane used in waterproofing applications. **Epoxy.com Product #459** exhibits excellent elongation properties along with high tensile strength and tear resistance to make it an ideal crack resistant membrane for use under other Epoxy.com flooring systems. **Epoxy.com Product #459** is also used with *Epoxy.com Elastomeric Systems*.

### ADVANTAGES

- Bridges Hairline Cracks
- Resistant to Automotive Fluids
- Quick Cure Time
- One Coat Application
- Low Odor

**Epoxy.com Product #459** is packaged with 41.5 pounds of Part A in a 6-gallon pail and 6 pounds of Part B in a gallon can to make a convenient 5-gallon unit.

### CONSIDERATIONS

- Slabs on Grade Must Have an Efficient Vapor/Moisture Barrier
- Substrate Must be Free of Curing Agents and Other Foreign Materials\
- Minimum Application Temperature of 50°F
- Proper Respiratory Equipment Must Be Used When Required
- Do Not Apply Epoxy.com Product #459 to Wet or Damp Surfaces

### TECHNICAL DATA

Color	Grey
Mix Ratio	by volume by weight 6.6 parts A - 1 part B 100 parts A - 13 parts B
Solids Content, by volume	96%
Weight per Gallon, mixed	9.16 lbs
Pot Life	30 mins @ 77°F, 50% RH
Re-Coat Time	6 - 8 Hours

## **PERFORMANCE PROPERTIES**

Tensile Strength ASTM-D-412 1500 psi  
Ultimate Elongation ASTM-D-412 350-400%  
Adhesion (unprimed) ASTM-D-904 60 pli  
Hardness Shore A ASTM-D-2240 70-80  
Impact Resistance ASTM-D-2794 160 In. lb.

## **APPLICATION**

### **SURFACE PREPARATION**

Prepare surface in accordance with Epoxy.com Surface Preparation Guide New concrete must be cured at least 30 days. All concrete curing compound must be mechanically removed, along with any foreign material. Old concrete must be structurally sound and prepped according to guidelines.

### **PRIMING**

Prime where necessary with Epoxy.com Product #899 Primer. Mix two (2) Parts A and one (1) Part B by volume with low speed drill for two minutes minimum. Apply with squeegee, brush, or roller. Do not puddle. Spread rate is approximately 250sq.ft./gallon.

### **INSTALLATION**

Mix 6.6 Parts A to one (1) Part B by volume or 100 Parts A to 13 Parts B by weight using a low speed drill for 3 - 5 minutes. Epoxy.com Product #459 can be applied by using a roller, air brush, spray, or notched squeegee at a rate of 50 to 55 square feet per gallon to yield 28 to 30 dry mils.

### **CLEAN-UP**

Clean tools with xylene or lacquer thinner.

**FOR INDUSTRIAL USE ONLY  
KEEP AWAY FROM CHILDREN**

For more information please contact:

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