



Epoxy &  
Polyurethane  
Manufacturing and  
Research

# TECHNICAL BULLETIN

## EPMAR® SS3034 Polyurethane Crack Repair

### Description

EPMAR® SS3034 Polyurethane Crack Repair is a two-component urethane specifically designed to produce hard polymer with excellent adhesion, chemical and moisture resistance. EPMAR® SS3034 is typically specified for filling interior and exterior horizontal concrete cracks, saw cuts and other repair areas where down time is important.

### Outstanding Features

- Convenient 1:1 mix ratio
- Short tack-free time and rapid cure
- Inexpensive
- Easy to apply

### Handling

Mix Ratio, AB By Weight By Volume	54/46 1:1
Volume Solid	90%
Mixed Viscosity	20 cps
Recommended Application Temperature	60-90°F
Shelf Life	6 months
Color	Light Grey

### Physical Characteristics

Pot Life	1 minutes (200 grams @ 25°C)
Gel Time	2 minutes
Hardness, Shore D (ASTM D 2240):	70-80
Tensile Strength	9,000 psi - ASTM D 412
Elongation	30% - ASTM D 412
Compressive Strength	5,000 - ASTM D 2586

### Surface Preparation Concrete –

Allow concrete to cure a minimum of 28 days. All visible oil, grease, sludge, and any other contaminants shall be removed prior to any product application. Vacuum dust and debris from joints, cracks and crevices.



Epoxy &  
Polyurethane  
Manufacturing and  
Research

## TECHNICAL BULLETIN

### EPMAR® SS3034 Polyurethane Crack Repair

#### **Application Methods**

##### **Mechanical Spray –**

EPMAR® SS3034 is designed to be applied with mechanical plural component, proportioned application equipment. Material temperature should be maintained at 70-80°F to produce a rapid cure rate.

##### **Hand Mixing –**

EPMAR® SS3034 could be hand mixed and poured as long as the product temperature is at least 60°F., complete mixing is achieved within 1-minute and immediately poured onto prepared surface.

Use mechanical jiffy mixers to thoroughly mix material.

##### **Cartridge –**

Dispensing EPMAR® SS3034 requires a 300 X 300-ml dual application gun or equal.

#### **CAUTION –**

Do not allow uncured urethane to be in contact with skin for prolonged periods of time. If contact occurs, wash affected area immediately with soap and warm water. If eye contact occurs, flush with plenty of warm water. See a physician. Use in a well-ventilated area.

**Contact EPMAR for any additional application information.**

#### **Warranty**

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product, which is proved to be defective. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.

**Service is part of our formula**

#### **Epmar Corporation**

13210 Barton Circle, Santa Fe Springs, CA 90605-3254

Ph: 562.946.8781 / Fax: 562.944.9958

E-Mail: [epmar@quakerchem.com](mailto:epmar@quakerchem.com) Web Site: [www.epmar.com](http://www.epmar.com)