



# MM<sup>®</sup> Gel-Poxy (I & II) Adhesive

## 100% Solids V.O.C. Compliant

SPECIAL DATA SYSTEMS  
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### DESCRIPTION

MM Gel-Poxy I and Gel-Poxy II Adhesives are 100% solids, low order, two component, equal volume 1:1 mix, epoxy mortar. Gel-Poxy I is supplied I quart containers and Gel-Poxy II in half-gallon containers. Gel-Poxy Adhesive is a non-sag gel with excellent adhesion, physical properties, and ease of use as a versatile, general purpose adhesive mortar that can even be placed on vertical and overhead surfaces.

### BASIC USE

MM Gel-Poxy Adhesive has been formulated to bond foam seals and elastoprene rubber seals (in conjunction with Elastobond Activator) to concrete surfaces. Many MM expansion joint systems utilize the MM Gel-Poxy Adhesive as one of its primary components.

### ADDITIONAL USES

MM Gel-Poxy Adhesive can be used for general bonding of wood, masonry, aluminum, and concrete. Filler for repairing defects in concrete including cap seal for crack injection.

### FEATURES

- Easy to use 1:1 by volume mix ratio.
- Color components (dark grey & white) are provided to ensure thorough (uniform grey) mixing.
- 100% solids conform to VOC regulations.
- Moisture tolerant.
- Non-shrinking
- Tenacious thixotropic bond to concrete, aluminum and steel.

### LIMITATIONS

- Surrounding substrate of concrete structural joint opening must be sound, dry, and free of any laitance, curing agents or foreign matter.
- Installation temperature must be 40°F and rising.
- Do not install in latex modified mortar or concrete.
- Must be used with MM Elastobond Activator when bonding elastoprene rubber seals to concrete.



### PACKAGING

MM Gel-Poxy Adhesive is supplied in either "Easy-mix" Part A & Part B one-quart or half-gallon containers. Pre-measured packaging of 1 part grey + 1 part white = 1 full unit. Thoroughly mixing the Part A & B components produces a uniform grey (no streaks) color that ensures consistent field performance.

### STORAGE

All materials should be stored in a cool, dry location 50-90°F (10-32°C) prior to use.

### PRECAUTIONS

For Professional Use Only.

**Component "A":** Use of safety goggles and chemical resistant gloves is recommended. Use only with adequate ventilation. Contains epoxy resin. Vapors can cause respiratory irritation. Skin and eye irritant. Can cause sensitization after prolonged or repeated exposure.

**Component "B":** Use of safety goggles and chemical resistant gloves is highly recommended. Use only with adequate ventilation. Contains amines and is corrosive. Contact with eyes or skin may cause severe burns. Can cause sensitization after prolonged or repeated use.

### FIRST AID:

For eye contact, flush immediately with plenty of water for at least 15 minutes. In case of skin contact, wash immediately and thoroughly with soap and water. Consult physician immediately. For respiratory problems, remove person to fresh air.

**Disposal:** Collect with absorbent material. Dispose of in accordance with current local, state and federal regulations.

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## PHYSICAL PROPERTIES

Gel-Poxy Physical Properties	Test Method	Typical Value
Tensile strength	ASTM D638	2400 psi
Bond Strength (14 days)	ASTM C882	3250 psi
Compressive Modulus (7 days)	ASTM D695	120,000 psi
Hardness, Shore D	ASTM D2240	60 +/-5
Pot Life, @ 25°C (77°F)		30 minutes
Initial Cure / Complete Cure		24 hrs. / 7 days
Coverage		115.5 cubic inch per 1/2-gallon unit
Shelf Life		1 Year

### DISCLAIMER:

All recommendations, technical data and test data contained in this data sheet are based upon the results of controlled laboratory tests or in actual field tests. However, MM Systems makes no warranty of any kind concerning this data. Due to variance in storage, handling and application to these materials, MM Systems accepts no liability for the results obtained. It is suggested that potential users try small applications to determine the suitability of each individual product for their project specific requirements.

## SURFACE PREPARATION

Surface must be clean and free of any dust, oil, grease, laitance, curing compounds or any other contaminants. This should be achieved by sand blasting, water blasting or some other mechanical means. New concrete surfaces may be acid etched with muriatic acid and rinsed thoroughly. The surface must be dry and free of standing water.

## MIXING INSTRUCTIONS

Stir both A & B components before mixing together. Mix pre-measured equal volumes of Part A and Part B. Mix thoroughly with a heavy-duty drill fitted with a mixing paddle at low speed. Mix until a uniform gray color with no streaks evident. Do not whip or aerate. Scrape sides and bottom of mixing pail. Do not mix more material than can be used in 40 minutes.



## APPLICATION INSTRUCTIONS

1. Apply mixed epoxy by trowel, spatula or putty knife.
2. When used as a foam seal bonding adhesive, cover the concrete sidewall surface equal to the depth of the seal and then install the foam seal. Remove excess epoxy before curing.
3. When used on concrete substrates as a mortar or to fill holes, add clean dry 20/40 mesh silica sand 1;1 by volume or to desired consistency. Avoid featheredging. For proper finish, keep finishing tools (margin trowel, putty knife, etc.) clean with mineral spirits.
4. Clean tools and equipment immediately with a suitable solvent such as xylene or methyl ethyl ketone..

## LIMITED WARRANTY

MM Systems warrants its High Strength Epoxy to be free of defects in material and conform to technical data listed. Since methods of application can affect performance and on-site conditions are beyond our control, MM Systems makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

MM Systems sole obligation shall be, at its option, to replace, or to refund the purchase price of the quantity of system proved to be defective. In no event shall MM Systems be liable for any special, incidental, consequential, loss of profits or punitive damages. Other warranties may be available when installed by a MM Systems Certified Contractor.

MM Systems reserves the right to amend or withdraw information contained herein, without notice, and will not be liable for any inaccuracy or ambiguity of said information.

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# Spec Data

50 MM Way, Pendergrass, GA 30567 • 706.824.7500 • [www.mm-usa.com](http://www.mm-usa.com)