

# Madewell® 806™ Sprayable Flexible Joint Sealant & Underlayment



## FEATURES/BENEFITS

PERMANENT FLEXIBILITY	100% SOLIDS
IMPACT RESISTANT	HIGH BUILD
EXCELLENT ADHESION	ABRASION RESISTANT

## PRODUCT DESCRIPTION

**M**ADEWELL 806 Sprayable Flexible Joint Sealant & Underlayment is a 100% solids, chemically modified epoxy that is specifically designed for use as a flexible underlayment beneath Madewell Epoxy Laminate Systems and for treatment of expansion joints in concrete slabs, bridges, garages, balconies, and decks. Its unique, multicomponent resin system contributes to a number of superior properties including toughness, excellent adhesion, and permanent flexibility. This sprayable product can be applied at thicknesses up to 3/8" on a vertical surface, thereby reducing application costs. The absence of solvent reduces shrinkage, cracking, and disbonding and eliminates the problems related to solvent entrapment.

## PRODUCT DATA

### COMPOSITION:

100% solids, modified flexible epoxy joint sealant and underlayment.

### FINISH:

Gloss.

### COLOR:

Gray. One component is black and the other is white to produce a gray finished color, which is also an indicator of proper mixing.

### THICKNESS:

May be applied as an underlayment beneath Madewell laminate systems or installed as a joint filler up to several inches wide. Consult a Madewell Technical Representative for specific recommendations.

### COVERAGE:

One gallon will fill approximately 75 linear feet of joint at 1/2" wide by 1/2" deep. One gallon will cover 20 square feet (ft<sup>2</sup>) of surface area at 80 mils thickness or 80 ft<sup>2</sup> per 4-gallon kit at 80 mils. Allowances should be made for waste.

### PACKAGING:

Normally stocked in 4-gallon, two-component kits; special packaging available.

### SURFACE PREPARATION:

**Steel:** Apply only to clean, sound surfaces. All metal surfaces should be degreased and decontaminated prior to abrasive blast cleaning. For immersion service, surfaces should be abrasive blast cleaned to a white metal (NACE No. 1 or SSPC SP 5) condition with a dense 2 to 4 mil anchor profile depth.

**Concrete:** Do not apply this product directly to concrete. At a minimum, concrete surfaces should be primed with **MADEWELL 927** Penetrating Epoxy Primer. Deteriorated concrete may be restored using **MAINSTAY ML-72** or **ML-72F** Sprayable Microsilica Restoration Mortar followed by **MADEWELL 927** Primer. Consult a Madewell Technical Representative for specific recommendations or see appropriate product data sheets for additional information.

### EXTREMELY ROUGH SUBSTRATES & DEEP VOIDS:

Extremely rough or deteriorated concrete could be more economically smoothed and/or repaired using **MAINSTAY ML-72** or **MAINSTAY ML-72F** Mortar – see applicable product data sheets or contact a Madewell Technical Representative for more information.

### SMOOTHING MINOR SURFACE

#### IRREGULARITIES:

Use **MADEWELL 1312P** Sprayable Epoxy Putty to smooth minor surface irregularities (less than 1/8" deep).

### PRIMING:

Not required for steel surfaces. Concrete surfaces should be primed with **MADEWELL 927** Primer. See Product Data Sheet for surface preparation and application instructions. Apply **MAINSTAY 806** to primed surfaces when the **MADEWELL 927** Primer has cured dry to the touch (but as soon as possible thereafter to avoid contamination of the primed surfaces).

**Madewell 806 Sprayable Flexible Joint Sealant & Underlayment****MIXING RATIO:**

Mix components at a volume ratio of 3 parts A to 1 part B. Whenever possible, avoid mixing partial kits.

**MIXING:**

This is a two component system. All components (liquids A and B) should be between 70° Fahrenheit (F) and 90° F prior to mixing. The entire contents of each component should be thoroughly mixed individually before combining separate components together. If it is not possible to mix an entire kit, pour carefully measured quantities of both components into a clean container and blend thoroughly using a power agitator, such as a Jiffy® mixer, and a high strength industrial drill for 3 minutes. Do not mix more material than can be used within stated working times.

**WORKING TIME:**

Approximately 60 minutes at 80° F. Working time will be extended at lower temperatures and shortened when higher.

**THINNING:**

Thinning is not recommended.

**APPLICATION:**

This product is to be applied by trained workmen using specialized equipment. Both components must be preheated between 70° F and 90° F prior to application. A minimum 45:1 airless spray pump with an air input pressure of ~90 pounds per square inch (psi) may be used to feed material through up to 50' of 3/8" diameter hose to a standard airless spray gun with a 0.031" to 0.035" reversible tip. It is recommended that 60 mesh in line strainers/filters be used. Other equipment, such as whip hoses, heaters or plural component equipment may be employed. Contact

a Madewell Technical Representative for specific application equipment recommendations.

**NUMBER OF COATS:**

Depends on service requirements. Generally speaking, linings or coatings for immersion service should be holiday free. The number of coats required to attain a holiday free lining or coating may vary depending on surface profile or roughness. Single coat applications should be done in multiple passes, each made at right angles to the last.

**CURE TIME:**

*To Handle:* 16 hours at 70° F, depending on cure temperature.

**PHYSICAL CHARACTERISTICS:**

*Elongation at break:* 50% minimum.

**CLEAN UP:**

Use xylene or methyl ethyl ketone (MEK) to clean application equipment. Skin should be cleaned using warm, soapy water or commercial hand cleaner.

**DELIVERY & STORAGE:**

Check containers for damage, and verify quantities before accepting shipments. Store components in sealed containers in a dry environment at moderate temperature conditions (40° F to 80° F).

**SHelf LIFE:**

1 year, depending on storage conditions, subject to re-inspection thereafter.

**SAFETY:**

KEEP OUT OF REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

**MAINSTAY 806** contains epoxy resins that *MAY CAUSE EYE, SKIN,*

*RESPIRATORY, OR NERVOUS SYSTEM SENSITIZATION.* Adequate health and safety precautions should be observed during all storage, handling, use, and drying periods. For best results and safest usage, user is specifically directed to consult the current Safety Data Sheet for this product. When using this product in a confined space or closed area, consult the current Occupational Safety and Health Administration (OSHA) or American National Standards Institute (ANSI) bulletins on safety requirements. Do not take internally. If swallowed, call a physician immediately. Keep away from open flame, and keep containers tightly closed when not in use.

**WARRANTY:**

All technical data, recommendations, and services are rendered by the Seller gratis. They are based on technical data that the Seller believes to be reliable and are intended for use by persons having skill and knowledge at their discretion and risk. Seller assumes no responsibility for results obtained or damages incurred from their use by the Buyer whether as recommended herein or otherwise. Such recommendations, technical advice, or services are not to be taken as a license to operate or intended to suggest infringement of any existing patent. MADEWELL PRODUCTS CORPORATION MAKES NO GUARANTEE OR WARRANTIES EXCEPT AS OTHERWISE PROVIDED IN WRITING AND DISCLAIMS ANY AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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