

Madewell® 806™

Flexible Joint & Manhole Chimney Seal



FEATURES/BENEFITS

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

PRODUCT DESCRIPTION

MADEWELL 806 is a 100% solids, chemically modified epoxy/urethane hybrid that is designed for use on expansion joints in concrete slabs, bridges, garages, balconies, decks, and manhole chimneys. Its unique multi-component resin system contributes to a number of superior properties, including toughness, excellent adhesion, and permanent flexibility. This pourable product is also available in a mastic grade (MADEWELL 806M™), which can be applied at thicknesses up to 1" on a vertical surface, thereby reducing application costs. The absence of solvent reduces shrinkage, cracking, and disbonding and eliminates problems related to solvent entrapment.

PRODUCT DATA

COMPOSITION:

100% solids, chemically modified epoxy/urethane sealant.

FINISH:

Flat.

COLOR:

Gray.

RECOMMENDED THICKNESS:

Typically 1/4", depending on the application. Consult a Madewell Technical Representative for specific recommendations.

COVERAGE:

Typical usage (with waste) to seal the interior circumference of a 2' diameter manhole frame at 125 mils thick by 4" wide: 1/2 gallon.

PACKAGING:

2 gallon, two component kits standard; special packaging available.

SURFACE PREPARATION:

Steel: Apply only to clean, sound surfaces. All metal surfaces should be inspected prior to blast cleaning and degreased or otherwise decontaminated as required. Steel surfaces should be abrasive blast cleaned to a Commercial Blast condition in accordance with NACE No. 3, SSPC SP 6, or pickled in

accordance with SSPC SP 8. Anchor pattern depth should be selected to fit the application; however, a 2 to 4 mil profile is suitable for most applications.

Concrete and Other Cementitious Surfaces: Concrete surfaces to be coated shall be free of laitance, grease, oil, and all other foreign materials. If required, the surfaces may be cleaned by sandblasting or other suitable mechanical means. If surfaces are extremely porous, weak, or deteriorated, MADEWELL 927™ Penetrating Epoxy Primer/Sealer should be used to penetrate, seal, and strengthen the surface prior to coating (refer to the MADEWELL 927 product data sheet or contact a Madewell Technical Representative for more information).

PRIMING:

Not required for steel surfaces. Concrete surfaces may be primed with MADEWELL 927. Refer to the MADEWELL 927 product data sheet or contact a Madewell Technical Representative for more information.

MIXING RATIO:

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

MIXING:

This is a two component system. Each component (liquids A and B) should be at room temperature (73° Fahrenheit, 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 pre-measured quantities of each component into a clean container and blend thoroughly using a power agitator, such as a Jiffy® mixer, and a high strength industrial drill for a minimum of 3 minutes. Do not mix more material than can be used within stated working times.

WORKING TIME:

Approximately 20 minutes at 80° F. Working time will be extended somewhat at lower temperatures and shortened at higher temperatures.

THINNING:

Thinning is not recommended. Use methyl ethyl ketone (MEK), xylene, or

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a combination of the two to clean application equipment.

APPLICATION:

MADWELL 806 can be applied by trowel, squeegee, or glove. Contact a Madewell Technical Representative for alternative methods particular to your application.

CURE TIME:

16 hours at 70° F.

CLEAN UP:

Use MEK, xylene, or a combination of the two to clean application equipment. Skin should be cleaned using warm, soapy water or commercial hand cleaner.

PHYSICAL CHARACTERISTICS/TEST DATA:

Elongation at break: 67% at 70° F (ASTM D-412)

Tensile strength: 1,400 pounds per square inch (psi) (ASTM D-412)

Abrasion resistance: 25.4 milligram (mg) loss with a 1000 gram total load at 1,000 revolutions with a CS100 wheel (Tabor Abrasor Method).

Shore A hardness: 65

Shore D Hardness: 25

Flexural Strength: 1,600 psi (ASTM D-790)

DELIVERY AND 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:

6 months, depending on storage conditions, subject to re-inspection thereafter.

SAFETY:

KEEP OUT OF REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

MADWELL 806 contains epoxy and urethane 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 "Material Safety Data Sheet" for this product. When using this product in a confined space or closed area, consult

the current the Operational Safety and Health Administration (OSHA) or the 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. **MADWELL 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.**