

Madewell® 806

Flexible Joint Sealant



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 which is specifically designed for use in 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 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 the problems related to solvent entrapment.

PRODUCT DATA

COMPOSITION:

100% Solids, modified epoxy/urethane joint sealant.

COLOR:

Grey. One component is black and the other is white to produce a grey 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 pourable joint filler up to several inches wide. Consult a Madewell Technical Service Representative for specific recommendations.

COVERAGE:

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

PACKAGING:

Normally stocked in two gallon and ten gallon two component kits. Larger and smaller kit sizes available on special order.

SURFACE PREPARATION:

Steel: Apply only to clean surfaces. All metal surfaces should be inspected prior to blast cleaning, and degreased

or otherwise decontaminated, as required. New steel should be abrasive blast cleaned to a Commercial Blast condition in accordance with NACE No. 3 or SSPC SP-6 or pickled in accordance with SSPC SP-8. An anchor pattern depth should be selected to fit the application. However, a 2 to 4 mil profile is suitable in most cases.

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. Etching with muriatic acid may also be used to clean the surface, provided, however, that it is thoroughly broomed and flushed with a spray of fresh water to remove all salts. Surfaces need not be completely dry but should be free of standing or flowing water when MADEWELL 806 is applied. If surfaces are extremely porous, weak or deteriorated, MADEWELL 927 Primer should be used to penetrate, seal and strengthen the surface prior to coating. See descriptive brochure.

MIXING RATIO:

Mix components at a volume ratio of 1 part A to 1 part B.

POT LIFE:

Approximately 20 minutes at 80° F. Pot life will be extended at lower temperatures and shortened when higher.

PRIMING:

Not necessary for steel surfaces. Concrete surfaces may be primed with MADEWELL 927 Penetrating epoxy Primer/Sealer. See descriptive brochure for application and surface preparation details.

APPLICATION:

Both components must be pre-warmed to a minimum temperature of 70° F prior to application. The minimum application temperature is 50° F. Contact a Madewell Technical Service Representative for specific equipment recommendations and sources.

PHYSICAL CHARACTERISTICS:

Elongation at break: 50% minimum

Tensile strength: 3,289 PSI

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

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Shore hardness: A=84, D=56

CURE TIME:

16 hours at 70° F.

CLEAN UP:

MADWELL 457 Thinner is recommended to clean equipment (see descriptive brochure). Skin should be cleaned using warm soapy water or commercial hand cleaner.

STORAGE:

Store components in sealed containers in dry environment at moderate temperature conditions (< 80° F).

SHELF LIFE:

6 months, subject to reinspection thereafter.

SAFETY:

MADWELL 806 contains epoxy and urethane resins that *MAY CAUSE EYE OR SKIN 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 OSHA or 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 which 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.**