

# Madewell® 806™

## Flexible Joint & Manhole Chimney Seal



### FEATURES/BENEFITS

<p><b>PERMANENT FLEXIBILITY</b></p> <p><b>IMPACT RESISTANT</b></p> <p><b>EXCELLENT ADHESION</b></p>	<p><b>100% SOLIDS</b></p> <p><b>HIGH BUILD</b></p> <p><b>ABRASION RESISTANT</b></p>
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### PRODUCT DESCRIPTION

**M**ADEWELL 806 is a 100% solids, chemically modified epoxy/urethane hybrid that 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:

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 pourable joint filler up to several inches wide. 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:

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. 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. 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™** Penetrating Epoxy Primer/Sealer 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° Fahrenheit (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** Primer. See descriptive brochure for application and surface preparation details.

#### APPLICATION:

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

#### CLEAN UP:

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

**Madewell® 806 Flexible Joint Sealant****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)

**CURE TIME:**

16 hours at 70° F.

**STORAGE:**

Store components in sealed containers  
in a dry environment at moderate tem-  
perature conditions (< 80° F).

**SHELF LIFE:**

6 months, subject to re-inspection  
thereafter.

**SAFETY:**

**MADEWELL 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 re-  
sults and safest usage, user is specifi-  
cally 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 inter-  
nally. 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 reli-  
able and are intended for use by per-  
sons having skill and knowledge at  
their discretion and risk. Seller as-  
sumes no responsibility for results ob-  
tained or damages incurred from their  
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