

Madewell® 711™ Sprayable

Flexible Joint & Manhole Chimney Seal



FEATURES/BENEFITS

IMPACT RESISTANT	ELASTOMERIC
EXCELLENT ADHESION	100% SOLIDS
PERMANENT FLEXIBILITY	ABRASION RESISTANT

PRODUCT DESCRIPTION

MADEWELL 711 is a 100% solids urethane that is specifically designed for use in manhole chimneys and in expansion joints in concrete slabs, bridges, garages, balconies, and decks. Its unique multi-component 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 .150" 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, modified elastomeric urethane joint sealant.

FINISH:

Gloss.

COLOR:

Black.

SEALING MANHOLE CHIMNEYS:

To seal the interior circumference of a 24" diameter manhole frame/chimney, **MADWELL 711** is typically applied at a thickness of 100 mils thick. One 1,500ml kit will normally treat a single manhole chimney and frame at 12" wide (vertically).

PACKAGING:

Normally stocked in 1,500ml two-component kits.

SURFACE PREPARATION:

Steele: Not for steel. *Concrete:* Do not apply this product directly to concrete. At a minimum, concrete surfaces should be primed with **MADWELL 927** Penetrating Epoxy Primer. Deteriorated concrete may be restored using **MAINSTAY ML-72** or **ML-72F** Sprayable Microsilica Restoration Mortar followed by **MADWELL 927** Primer. Consult a Madewell Technical Representative for specific recommen-

dations or see appropriate product data sheets for additional information. All active leaks must be stopped prior to application.

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** – see applicable product data sheets or contact a Madewell Technical Representative for more information.

SMOOTHING MINOR SURFACE IRREGULARITIES:

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

PRIMING:

Concrete and mortar surfaces should be primed with **MADWELL 927** Primer. See product data sheet for surface preparation and application instructions. Apply **MADWELL 711** to primed surfaces when the **MADWELL 927** Primer has cured dry to the touch (but as soon as possible thereafter to avoid contamination of the primed surfaces).

MIXING RATIO:

Components mix at a volume ratio of 1 part A to 1 part B.

APPLICATION:

This two component system is available only in 750 ml by 750 dual tube cartridge sets (1,500 ml total) and may only be applied using specialized spray equipment such as the Sulzer MixCoat DPS 1500-01 Cartridge Spray Gun. Each tube set is sold with a single 90° Sulzer Mixpack spray tip and static mixer.

Apply the entire tube cartridge set to a single manhole chimney to be lined.

SET TIME:

MADWELL 711 will set to a tack free condition in 2 to 3 minutes at moderate ambient (room) temperature.

APPLICATION TEMPERATURE:

For best results, dual tube cartridge sets may be warmed to a temperature of between 90° and 100° degrees Fahrenheit prior to use.

PHYSICAL CHARACTERISTICS/TEST DATA:

Elongation at break: 400% at 70° F (ASTM D-638)

Tensile strength: 2,700 pounds per square inch (psi)

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(ASTM D-638)

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

DELIVERY & STORAGE:

Check containers for damage, and verify quantities before accepting shipments. This product has a shelf life of 6 months when stored under clean conditions at temperatures between 60° and 90° degrees Fahrenheit.

SAFETY:

KEEP OUT OF REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

MADWELL 711 contains 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 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.