

# Madewell® 1312S™

## 100% Solids Epoxy Coating



### FEATURES/BENEFITS

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| <p>FAST SETTING</p> <p>EXCELLENT EXTERIOR DURABILITY</p> <p>NONTOXIC - EASY TO CLEAN SURFACE</p> <p>EASY APPLICATION &amp; CLEANUP</p> | <p>HEAVY DUTY RESISTANCE TO:</p> <ul style="list-style-type: none"> <li>• CHEMICAL ATTACK</li> <li>• ABRASION</li> <li>• IMPACT DAMAGE</li> </ul> |
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### PRODUCT DESCRIPTION

**M**ADEWELL 1312S is a heavy duty, 100% solids, two component epoxy coating product. It is used for both new construction and maintenance of steel and concrete surfaces in tanks, sumps, trenches, decks, pipe interiors and other process equipment and structures in the chemical processing, power, refining, mining, pulp and paper, and oil refining industries. MADEWELL 1312S may be used as a topcoat over other MADEWELL 1312 series coating systems to add color and/or seal the surface.

MADEWELL 1312S protects surfaces against chemical attack under immersion, spill, and splash conditions and impact and abrasion damage caused by rough use or heavy traffic. It is normally applied at a nominal thickness of 10 to 25 mils in two coats. Being attractive and easy to clean, its monolithic construction resists moisture, chemical, and bacteria penetration. Its free spreading characteristics, fast set time, and ease of cleanup help to minimize labor costs and down time.

### PRODUCT DATA

#### COMPOSITION:

100% solids, two component epoxy

#### FINISH:

Semigloss

#### AVAILABLE COLORS:

Standard: white, light gray, light blue, or clear. Custom colors available upon request.

#### THICKNESS:

10 to 20 mils in one or two coats. Consult a Madewell Technical Representative for specific recommendations.

#### COVERAGE:

Approximately 75 square feet (ft<sup>2</sup>) per gallon at 20 mils. Allowances should be made for waste.

#### PACKAGING:

Normally stocked in 4.5 gallon two component kits. Larger and smaller kits are available on special order.

#### SURFACE PREPARATION:

Concrete: Rough or deteriorated concrete should be smoothed and/or repaired using either MAINSTAY ML-

72™ Sprayable Microsilica Restoration Mortar or MADEWELL 1312P™ Thixotropic Epoxy Putty. Refer to the applicable descriptive brochure for surface preparation and application instructions.

Steel: Apply only to clean, sound surfaces. All metal surfaces should be degreased or otherwise decontaminated prior to abrasive blast cleaning. Surfaces should be abrasive blast cleaned to a near white (NACE No. 2 or SSPC SP 10) condition with a 2 to 4 mil anchor pattern depth.

MADEWELL 1312S may be used to topcoat steel surfaces that have been previously painted. However, compatibility with, and adhesion to, existing coatings should be checked by the application of a test patch.

#### PRIMING:

Not required for steel surfaces. Concrete surfaces should be primed with MADEWELL 927™ Penetrating Epoxy Primer/Sealer. See descriptive brochure for surface preparation and

application instructions. Apply MADEWELL 1312S 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).

#### MIXING RATIO:

Mix components at a weight ratio of 2 parts A to 1 part B.

#### 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. Pour 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 5 minutes. Do not mix more material than can be used within stated working times.

**Madewell® 1312S 100% Solids Epoxy Coating****WORKING TIME:**

Approximately 45 minutes at 70° F. The working time will be extended somewhat at lower temperatures and shortened at higher temperatures.

**THINNING:**

Thinning is not recommended. Use **MADEWELL 457™** Thinner to clean application equipment (see descriptive brochure).

**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 50 – 90 pounds per square inch (psi) is used to feed material through up to 50' of 3/8" diameter hose to a standard airless spray gun with a 0.21" to 0.025" 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. **MADEWELL 1312S** can also be applied by brush or roller.

**CURE TIME:**

*Recoat time:* At a minimum the product should be tack free when recoated. Maximum recoat time is 7 days 73° F.

*Immersion service:* 24 to 72 hours, depending on the chemical service and cure temperature.

**CLEAN UP:**

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

**STORAGE:**

Store components in sealed containers in a dry environment at moderate temperature conditions (40° F to 80° F).

**SHELF LIFE:**

1 year, subject to re-inspection thereafter.

**SAFETY:**

**MADEWELL 1312S** contains epoxy 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 immedi-

ately. 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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