

# Madewell® 1312S

## Epoxy Coating System



### FEATURES/BENEFITS

HEAVY DUTY RESISTANCE TO:	EASY APPLICATION & CLEANUP
CHEMICAL ATTACK	FAST SETTING
ABRASION	EXCELLENT EXTERIOR DURABILITY
IMPACT DAMAGE	NON TOXIC - EASY TO CLEAN SURFACE

### 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 and pipe interiors and other process equipment and structures in chemical processing, power, refining, mining, pulp and paper and oil refining industries. **MADWELL 1312S** may be used as a topcoat for other **MADWELL 1312** series coating systems to add color and/or seal the surface.

**MADWELL 1312S** protects surfaces against chemical attack under immersion, spill, and splash conditions and impact and abrasion damage 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 easy cleanup help to minimize labor costs and down time.

### PRODUCT DATA

#### COMPOSITION:

100% Solids, two component epoxy

#### FINISH:

Semigloss

#### AVAILABLE COLORS:

Standard: White, light grey, or light blue. Custom colors available upon request.

#### THICKNESS:

10 to 25 mils in two coats. Consult a Madewell technical representative for specific recommendations.

#### COVERAGE:

Approximately 75 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:** Concrete surfaces should be primed with **MADWELL 927** Penetrating Epoxy Primer/Sealer. See de-

scriptive brochure for surface preparation and application instructions. Apply **MADWELL 1312S** 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).

Rough or deteriorated concrete should be smoothed and/or repaired using either **MAINSTAY ML-72** Sprayable Microsilica Mortar or **MADWELL 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 SP10) condition with a 2 to 4 mil anchor pattern depth.

**MADWELL 1312S** may be used to topcoat steel surfaces which have been

previously painted. However, compatibility with existing coatings (and adhesion of existing coatings) should be checked by application of a test patch.

#### PRIMING:

Not required for steel surfaces. Concrete surfaces should be primed with **MADWELL 927** Penetrating Epoxy Primer/Sealer. See descriptive brochure for surface preparation and application instructions. Apply **MADWELL 1312S** 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:

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° F and 90° F prior to mixing. The entire contents of each component should be thoroughly

mixed individually before combining separate components together. Pour premeasured 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.

**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 for cleanup of application equipment (see descriptive brochure).

**APPLICATION:**

**MADEWELL 1312S** can be applied by brush, roller, conventional or airless spray. Contact a Madewell technical representative for specific equipment recommendations and sources.

**CURE TIME:**

*Foot traffic:* 24 hours at 70° F.

*Chemical service:* 24 hours to 7 days, depending on the chemical service and 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 dry environment at moderate temperature conditions (40° F to 80° F).

**SHELF LIFE:**

1 year, subject to reinspection 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 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. **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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