

# Madewell® 1450

## Aliphatic Polyurethane Coating



### FEATURES/BENEFITS

EXCELLENT GLOSS RETENTION	EXCELLENT COLOR STABILITY
RESISTS UV DEGRADATION	TOUGH AND FLEXIBLE
IMMERSION IN FRESH AND SALT WATER	NON TOXIC - EASY TO CLEAN SURFACE

### PRODUCT DESCRIPTION

**M**ADEWELL® 1450 provides excellent performance on structures exposed to ultraviolet light. It is used for both new construction and rehabilitation of concrete and brick surfaces in freshwater and saltwater aquariums, pools, structural steel and building exteriors. MADEWELL 1450 is typically used as a topcoat over other MADEWELL 1312 series coatings to provide ultraviolet light resistance and to provide additional corrosion protection.

MADEWELL 1450 is normally applied at a nominal thickness of 1.5 to 2.5 mils in a single coat. Its free spreading characteristics, fast set time and easy cleanup help to minimize labor costs and down time.

### PRODUCT DATA

#### COMPOSITION:

54% Solids, two component aliphatic polyurethane topcoat

#### FINISH:

Gloss

#### AVAILABLE COLORS:

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

#### THICKNESS:

1.5 to 2.5 mils DFT in a single coat. Consult a Madewell technical representative for specific thickness recommendations.

#### COVERAGE:

A single 3 gallon kit of MADEWELL 1450 will cover approximately 1,000 ft<sup>2</sup> at 2 mils dry, including approximately 20% waste. Allowances for waste vary depending on jobsite conditions.

#### PACKAGING:

Normally stocked in 3 gallon two component kits (components A and B).

#### SURFACE PREPARATION:

Concrete: Concrete surfaces should be primed with MADEWELL 927 Penetrating Epoxy Primer/Sealer. See primer descriptive brochure for surface

preparation and application instructions. Note: MADEWELL 1450 is typically applied as a topcoat over other MADEWELL 1312 epoxy coating systems. Consult a Madewell technical representative for details.

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. Note: MADEWELL 1450 is typically applied as a topcoat over other MADEWELL 1312 epoxy coating systems. Consult a Madewell technical representative for details.

#### PRIMING:

Steel surfaces should be primed using MADEWELL 1312S epoxy coating. Concrete surfaces should be primed with MADEWELL 927 Penetrating Epoxy Primer/Sealer and topcoated with one of the MADEWELL 1312 system products. See descriptive brochure for surface preparation and application instructions.

#### MIXING RATIO:

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

#### MIXING:

This is a two component system. Liquid Components A and B should be between 70° F and 90° F prior to mixing. Each liquid component should be thoroughly mixed individually before combining separate components together. Pour premeasured quantities of both liquid 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 2 hours at 70° F. The working time will be extended somewhat at lower temperatures and shortened at higher temperatures.

#### THINNING:

Typically not required for application by air or airless spray. For application by roller or brush, Madewell 1450 may be thinned up to 10%. Use MADEWELL 418 for thinning and equipment cleanup.

**APPLICATION:**

**MADWELL 1450** can be applied by air or airless spray, roller or brush. Contact a Madewell technical representative for specific equipment recommendations and sources.

**CURE TIME:**

*To handle:* 10 hours at 70° F.

*Immersion service:* 24 hours to 7 days, depending on the chemical service and temperature.

**CLEAN UP:**

**MADWELL 418 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:**

**MADWELL 1450** contains solvents and polyurethane resins and hardeners which *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 "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.**

® Jiffy is a registered trademark of the Jiffy Mixer Company.