

Madewell® 1550

Fluoropolyurethane 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

MADEWELL® 1550 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 1550 is typically used as a topcoat over other MADEWELL 1312 series coatings to provide ultraviolet light resistance and to provide additional corrosion protection.

MADEWELL 1550 Fluoropolyurethane is a solvent based fluoropolymer coating that can be cured at room temperature for a variety of plant, shop and field applications. As a result of its unique alternating fluoroethylene and vinyl ether segments, Madewell 1550 can extend the life of coating systems and increase weatherability up to five times that of conventional acrylic urethanes. In addition to superior UV stability, Madewell 1550 offers dramatically improved weather, corrosion and chemical resistance. Because of its low permeability to oxygen, water and chlorides, Madewell 1550 remains unchanged after years of exposure to the elements allowing it to outperform such common coatings as alkyds, chlorinated rubber, acrylics, urethanes and siloxanes on a wide variety of substrates and service environments. In addition, because of its unique chemical make-up, Madewell 1550 is significantly easier to clean than other coatings, reducing maintenance and cleaning costs. Normally applied at a thickness of 1.5 to 2.5 mils DFT 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:

59% Solids, two component fluoropolyurethane topcoat

FINISH:

Gloss

AVAILABLE COLORS:

Standard: White, light gray 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 1.75 gallon kit of MADEWELL 1550 will cover approximately 450 ft² at 2 mils dry. Allowances for waste vary depending on jobsite conditions.

PACKAGING:

Normally stocked in 1.75 gallon kits. (1.5 gallons component A in a 2 gallon pail, .25 gallons component B in a quart can).

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 1550 is typically applied as a topcoat over other MADEWELL 1312 or Mainstay DS-5 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 1550 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 Mainstay DS-5 system products. See descriptive brochure for surface preparation and application instructions.

MIXING RATIO:

This product is supplied in 1.75 gallon kits and it is best to mix an entire kit to assure proper mix ratio. The liquid

components must be mixed at a volume ratio of 6 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. 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 2 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. Use **MADEWELL 418** for thinning and equipment cleanup.

APPLICATION:

MADEWELL 1550 can be applied by conventional airspray and or rolling with a mohair roller. 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 service environment and ambient temperature during cure. Contact a Madewell technical representative for specific instructions.

CLEAN UP:

MADEWELL 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:

MADEWELL 1550 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. **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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