

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. **MADWELL 1550** is typically used as a topcoat over **MADWELL** or **MAINSTAY** coatings to provide ultraviolet light resistance and to provide additional corrosion protection.

MADWELL 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, **MADWELL 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, **MADWELL 1550** offers dramatically improved weather, corrosion, and chemical resistance. Because of its low permeability to oxygen, water, and chlorides, **MADWELL 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, **MADWELL 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 dry film thickness (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, modified fluoropolyurethane topcoat.

FINISH:

Gloss.

COLORS:

Standard: warm gray, light gray, safety blue, diego blue, teal, tan; custom colors available upon request. Contact a Madewell Technical Representative for a standard color chart.

THICKNESS:

1.5 to 2.5 mils DFT in a single coat. Consult a Madewell Technical Representative for specific recommendations.

COVERAGE:

Approximately 800 square feet (ft²) at 2 mils dry. Allowances should be made for waste.

PACKAGING:

Normally stocked in 1.75-gallon, two-component kits (1.5 gallons component A in a 2-gallon pail; 0.25 gallons component B in a 1-quart can).

SURFACE PREPARATION:

MADWELL 1550 is intended for use as a topcoat over **MADWELL 1312S**, **MAINSTAY DS-5**, or **MAINSTAY DS-5-S** Epoxy Coatings. In most cases, it is not necessary to prepare the previously applied coat prior to application of **MADWELL 1550** when the previous coat(s) have been applied under controlled conditions and are being re-coated within 24 to 48 hours (depending on ambient temperatures; contact a Madewell Technical Representative for additional information).

MIXING RATIO:

Mixed components at a volume ratio of 6 parts A to 1 part B. Whenever possible, avoid mixing partial kits.

MIXING:

This is a two component system. Each component (liquids A and B) should be at room temperature (73° Fahrenheit, F) prior to mixing. The entire contents of each component should be thoroughly mixed individually before combining separate components together. If it is not possible to mix an entire kit, pour carefully 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 2 minutes. Do not mix more material than can be used within stated working times.

WORKING TIME:

Approximately 2 hours at 70° F. Working time will be extended at lower temperatures and shortened when higher.

THINNING:

Thinning is not recommended.

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:

Use xylene or methyl ethyl ketone (MEK) to clean application equipment. Skin should be cleaned using warm, soapy water or commercial hand cleaner.

DELIVERY & STORAGE:

Check containers for damage, and verify quantities before accepting shipments. Store components in sealed containers in a dry environment at moderate temperature conditions (40° F to 80° F).

SHELF LIFE:

1 year, depending on storage conditions, subject to re-inspection thereafter.

SAFETY:

KEEP OUT OF REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

MAINSTAY 1550 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 "Material Safety Data Sheet" for this product. When using this product in a confined space or closed area, consult the current the 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.**

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