

# Madewell® 525

## Polycarbamide Coating



### FEATURES/BENEFITS

<p><b>EXCELLENT GLOSS RETENTION</b>  <b>RESISTS UV DEGRADATION</b>  <b>IMMERSION IN FRESH &amp; SALT WATER</b></p>	<p><b>EXCELLENT COLOR STABILITY</b>  <b>TOUGH AND FLEXIBLE</b>  <b>NON TOXIC, EASY TO CLEAN SURFACE</b></p>
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### PRODUCT DESCRIPTION

**M**ADEWELL 525 provides excellent performance for structures exposed to ultraviolet light. It is used for both new construction and rehabilitation of concrete and brick surfaces on decks and floors and in freshwater and saltwater aquariums and pools. MADEWELL 525 is typically used as a topcoat over MADEWELL 1312S epoxy coating (including broadcast quartz and vinyl flake) to provide ultraviolet light resistance and additional durability and corrosion protection.

MADEWELL 525 is a polycarbamide based, high solids coating that can be cured at room temperature for a variety of plant, shop, and field applications. In addition to superior UV stability, MADEWELL 525 offers dramatically improved weather, corrosion, and chemical resistance. Because of its low permeability to oxygen, water, and chlorides, MADEWELL 525 remains unchanged after years of exposure to the elements allowing it to outperform such common coatings as alkyds, chlorinated rubber, acrylics, and siloxanes on a wide variety of substrates and service environments. Normally applied at a thickness of 8 to 15 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:

93% solids, two component polycarbamide topcoat

#### FINISH:

Gloss.

#### AVAILABLE COLORS:

Standard: clear; custom colors available upon request.

#### THICKNESS:

8 to 15 mils DFT in a single coat. Consult a Madewell technical representative for specific thickness recommendations.

#### COVERAGE:

One 1.5 gallon kit will cover approximately 220 square feet (ft<sup>2</sup>) at 10 mils dry. Allowances for waste vary depending on jobsite conditions.

#### PACKAGING:

Normally stocked in 1.5-gallon, two-component kits. Each kit will consist of one 2-gallon pail and one ½ gallon pail.

#### SURFACE PREPARATION:

**Steel:** Apply only to clean, sound surfaces. All metal surfaces should be degreased and decontaminated prior to abrasive blast cleaning. For immersion service, surfaces should be abrasive blast cleaned to a white metal (NACE No. 1 or SSPC SP 5) condition with a dense 2 to 4 mil anchor profile depth.

**Concrete:** Do not apply this product directly to concrete. At a minimum, concrete surfaces should be primed with MADEWELL 927 Penetrating Epoxy Primer. Note: MADEWELL 525 is typically applied as a topcoat over other MADEWELL 1312S (including broadcast quartz and vinyl flake) epoxy coating systems. Consult a Madewell technical representative for details. Deteriorated concrete may be restored using MAINSTAY ML-72 or ML-72F Sprayable Microsilica Restoration Mortar followed by MADEWELL 927 Primer. Consult a Madewell Technical Representative for

specific recommendations or see appropriate product data sheets for additional information.

#### EXTREMELY ROUGH SUBSTRATES & DEEP VOIDS:

Extremely rough or deteriorated concrete could be more economically smoothed and/or repaired using MAINSTAY ML-72 or MAINSTAY ML-72F Mortar – see applicable product data sheets or contact a Madewell Technical Representative for more information.

#### SMOOTHING MINOR SURFACE IRREGULARITIES:

Use MADEWELL 1312P Sprayable Epoxy Putty to smooth minor surface irregularities (less than 1/8" deep).

#### PRIMING:

Not required for steel surfaces. Concrete surfaces should be primed with MADEWELL 927 Primer. See descriptive brochure for surface preparation and application instructions.

**MIXING RATIO:**

Mix components at a volume ratio of 2.5 parts A to 1 part B. Whenever possible, avoid mixing partial kits.

**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.

**WORKING TIME:**

Approximately 15 minutes at 70° F. Working time will be extended somewhat at lower temperatures and shortened when higher.

**THINNING:**

Typically not required for application by roller, brush, air or airless spray. Use a high quality urethane grade solvent such as methyl ethyl ketone (MEK) for thinning if needed.

**APPLICATION:**

**MADEWELL 525** 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 Touch:* 90 minutes at 75° F.

*Foot Traffic:* 240 minutes at 75° F

*Immersion Service:* 24 to 48 hours, depending on the service environment and ambient temperature during cure. Contact a Madewell technical representative for specific instructions.

**CLEAN UP:**

Use 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.

FLAMMABLE: KEEP AWAY FROM OPEN FLAME.

**MADEWELL 525** contains solvents and polycarbamide 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 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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