

# Mainstay® DS-6

Ultra High Build Novolac Epoxy Coating



## FEATURES/BENEFITS

BROAD RANGE CHEMICAL RESISTANCE	EASY APPLICATION & CLEANUP
ABRASION RESISTANCE	FAST SETTING
HIGH BUILD	NON TOXIC - EASY TO CLEAN SURFACE

## PRODUCT DESCRIPTION

**M**AINSTAY® DS-6 is a heavy duty, 100% solids two component novolac 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. MAINSTAY DS-6 is particularly well suited for use as a topcoat for MAINSTAY ML-72 Microsilica Cement Mortar.

MAINSTAY DS-6 protects surfaces against chemical attack under immersion, spill, and splash conditions. It also protects against impact and abrasion damage from rough use or heavy traffic. It is normally applied at a nominal thickness of 50 to 125 mils in one or two coats. MAINSTAY DS-6 is easy to clean, and its monolithic construction resists moisture, chemical and bacteria penetration.

## PRODUCT DATA

### COMPOSITION:

100% solids, two component novolac epoxy

### FINISH:

Semigloss

### COLOR:

Light Grey. Custom colors available upon request.

### THICKNESS:

50 to 125 mils in one or two coats. Consult a Madewell technical representative for specific recommendations.

### COVERAGE:

Approximately 16 ft<sup>2</sup> per gallon at 100 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 MADEWELL 927 Penetrating Epoxy Primer/Sealer. See descriptive brochure for surface preparation and application instructions.

Rough or deteriorated concrete should be smoothed and/or repaired using either Mainstay ML-72 Sprayable Microsilica Mortar or Madewell 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.

MAINSTAY DS-6 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 MADEWELL 927 Penetrating Epoxy Primer/Sealer. See descriptive brochure for surface preparation and application instructions. Apply MAINSTAY DS-6 to primed surfaces when the MADEWELL 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 7 parts A to 3 parts 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 clean-up of application equipment (see descriptive brochure).

**APPLICATION:**

This product is to be applied by trained workmen using specialized equipment. Both components must be preheated to 100° F prior to application. A 45:1 airless spray pump at an air input pressure of ~90 PSI, is used to feed material through up to 50' of 1/2" diameter hose to a standard airless spray gun with a .031" to .035" reversible tip. It is recommended that 60 mesh in line strainers/filters be used.

Other equipment, such as whip hoses, heaters or plural component equipment may be employed. Contact a Madewell technical service representative for specific equipment recommendations and sources.

**CURE TIME:**

*Foot traffic:* 24 hours at 70° F.

*Chemical service:* 24 hours to 3 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:**

MAINSTAY DS-6 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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