

PRODUCT DESCRIPTION

Generic: Amine Epoxy

General Description: 100% solids two component amine epoxy for use with the DEVMAT Epoxy Composite Tank Reinforcement Coating System.

Typical Uses: Used to build up coves, seal edges and repair pits in tanks to provide a smooth continuous surface.

SPECIFICATION DATA

Color: Ocean Gray (142K2875)

Finish: Semi-gloss

Weight/Gallon: 11.0 lbs./gal. (1.32 kg/L)

VOC (EPA 24): 0.16 lbs./gal. (19 g/L)

Solids By Volume: 100%

Theoretical Coverage at 1.0 Mil (25 microns) Dry: 1604 sq. ft./gal. (39.3 m²/L). 6.4 sq. ft./gal (0.16 m²/L) at 1/4 inch (6.4 mm)

Recommended Film Thickness: Up to 3/4 inch (19 mm)

Systems: Please consult the appropriate system guide, the particular job specification or your ICI Paints Representative for proper systems using this product. Systems must be selected considering the particular environment involved.

Minimum Dry Time (ASTM D 1640):

Substrate Temperature	77°F (25°C)
To Recoat	24 Hours
Dry Hard	24 Hours

Ventilation, film thickness, humidity, thinning, and other factors can influence the rate of dry.

Warning: The above table provides general guidelines only. Always consult your ICI Paints Representative for appropriate recoat windows since the maximum aged recoat time of this product may be significantly shortened or lengthened by a variety of conditions, including, but not limited to humidity, surface temperature, and the use of additives or thinners. The use of accelerators or force curing may shorten the aged recoat of individual coatings. The above recoat windows may not apply if recoating with a product other than those listed above. If the maximum aged recoat window is exceeded, please consult your ICI Paints Representative for appropriate recommendations to enhance adhesion. Failure to observe these precautions may result in intercoat delamination.

Shelf Life: Over 24 months at 77°F (25°C) – unopened

Mix Ratio By Volume: 1 (base): 1 (converter) – see mixing instructions.

Induction: None

Pot Life: 1 hour @ 77°F (25°C) & 50% R.H.

Working Life: 45 minutes @ 77°F (25°C) & 50% R.H.

FEATURES

Advantages:

- Excellent chemical and solvent resistance.
- Applies up to 1/2 inch in one application

Limitations of Use: DEVMAT 142HB may not be applied by spray. The minimum substrate application temperature is 50° F (10°C).

PERFORMANCE DATA

Service Temperature Limits: 250°F (121°C) dry

Hardness: (ASTM D 3363), 7 day cure @ 77°F (25°C) – 6H

GENERAL SURFACE PREPARATION

All surfaces must be sound, dry, clean, free of oil, grease, dirt, mildew, form release agents, curing compounds, loose and flaking paint and other foreign substances.

Previously Painted Surfaces: Old coatings must be removed and profile established as in **New Surfaces**.

New Surfaces: Metal – Metal surface must be cleaned in accordance with SSPC-SP10 or ISO-Sa2 1/2. **Other** – Other surfaces must be clean, free of oil, dirt, release compounds and other foreign matter.

DIRECTIONS FOR USE

Tinting: Do not tint.

Spreading Rate: May be applied up to 3/4 inch (19 mm) thick.

Thinning: Do not thin.

Topcoats: May be topcoated with DEVMAT or DEVCHEM® epoxy lining systems.

Mixing: Mix the base with the converter, one part black base to one part white converter by volume. Continue mixing the two components until a uniform gray color is obtained. Do not mix any more material than can be used in 30 minutes at 77°F (25°C). Avoid storing or placing containers in direct sunlight.

Dry Time (ASTM D 1640) : Dries hard in 24 hours 77°F (25°C).

Application: Apply the mixed components by trowel or other type of spreading tool to the prepared surface. After curing hard, the surface can be sanded. If using a reinforcing wrap first, apply a thick coating of DEVMAT® 142HB epoxy caulk, then wrap tightly with the glass cloth to insure good contact in all areas. A final application of DEVMAT 142HB epoxy caulk completes the operation.

Clean-up: Use T-10 thinner, except in the South Coast Air Quality Management District use acetone or other solvent in compliance with local VOC and air quality regulations.

PRECAUTIONS

WARNING! CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD-CAN ENTER LUNGS AND CAUSE DAMAGE. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES RESPIRATORY TRACT IRRITATION. MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CONTAINS CRYSTALLINE SILICA WHICH CAN CAUSE LUNG CANCER AND OTHER LUNG DAMAGE IF INHALED. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. NOTICE: Products in this series contain solvents.

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. For emergency information call (800) 545-2643.

Note: These warnings encompass the product series. Prior to use, read and follow product-specific MSDS and label information. If sanding is done, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. Avoid contact with eyes and skin. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use. **FIRST AID:** In case of skin contact, wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeated applications may be needed. Remove contaminated clothing. For eye contact, flush immediately with large amounts of water, for at least 15 minutes. **Obtain emergency medical treatment.** If swallowed, **obtain medical treatment immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, get medical help. **KEEP FROM FREEZING.**

DS236-1003

SHIPPING

Flash Point: 200°F (93°C)
Packaging: 1/2 gallon kit 2 gallon kit
 1 quart base 1 gallon base
 1 quart converter 1 gallon converter

Shipping Weight: 2 gallon kit - 22 lbs. (9.99 kg)
 1/2 gallon kit - 6 lbs. (2.7 kg)

142HB (05/07)
 Ad Stock #68523B



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