

PRODUCT DESCRIPTION

Generic: Advanced Technology Amine Epoxy

General Description: A high performance, chemically cured, epoxy, primer and intermediate for steel. Excellent low temperature cure characteristics. Designed for use in aggressive industrial environments and the process industries. Excellent resistance to acids, bases, solvents.

Typical Uses: Especially formulated for use as a fast recoat system for quick turn around for piling repair or in fabrication shops doing work for industries such as pulp and paper, water and waste water, chemical processing, petrochemical, power and cogeneration, etc.

Special Qualifications: Performance alternate for Federal Specifications MIL-P-24441-Type III & IV, SSPC Paint 22.

FEATURES

Advantages:

- Excellent low temperature cure even down to 0°F
- Fast recoat time
- May be immersed in seawater after one hour at 50°F (10°C) for piling repair

Limitations of Use: Exterior exposure will cause a color change, early dulling, and loss of gloss, but this does not affect protective properties. Epoxy coatings may yellow during application and cure if exposed to the combustion by-products of improperly vented fossil fuel burning heaters. Commonly finished with DEVTHANE® Urethane Enamel for maximum exterior color & gloss retention.

SPECIFICATION DATA

Color: White (261K3501), Black (261K9988) Concrete Gray (261K2662), Gray (261K2904)

Finish: Semi-Gloss

Reduction Solvent: T-5 Thinner - see thinning

Clean-up Solvent: T-10 Thinner

Weight/Gallon: 11.8 lbs./gal. (1.41 kg/L)

VOC (EPA 24): 2.2 lbs./gal. (268 g/L)

When thinned 5% with T-10 thinner, VOC < 300 g/L (2.50 lbs./gal)

Solids By Volume (ASTM D 2697-7 days): 70% ± 2%

Theoretical Coverage at 1.0 Mil (25 microns) Dry: 1122 sq. ft./gal.(27.5 m²/L)

Recommended Film Thickness: 4.0-6.0 mils (100-150 microns) dry – 5.7-8.6 mils (143-215 microns) wet. Higher film thicknesses are acceptable. Please consult your ICI Paints Representative for further details.

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.

Dry Time (ASTM D 1640): At 5 mils (125 microns) DFT

Substrate Temperature	30°F (1°C)	40°F (4.4°C)	77°F (25°C)
Minimum Recoat	4 Hours	3 Hours	2 Hours
Dry Hard	15 Hours	6 Hours	3 Hours
Maximum Recoat			
Self	10 Days	6 Days	4 Days
359, 389 349QC	7 Days	4 Days	2 Days
378, 379	1 Day	1 Day	1 Day

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 70°F (21°C) – unopened

Mix Ratio By Volume: 2 (base): 1 (converter) – see mixing instructions.

Induction: None.

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

PERFORMANCE DATA

Adhesion: (ASTM D 4541) – Excellent

Abrasion Resistance: (ASTM D 4060) – Good

Service Temperature Limits: 250°F (121°C) dry. Film may discolor above 140°F (60°C)

Hardness: (ASTM D 3363), 7 day cure @ 77°F (25°C) – 3H

DANGER! COMBUSTIBLE. HARMFUL OR FATAL IF SWALLOWED. Read label and Material Safety Data Sheet Prior to Use. See other cautions on last page.

DSF2-0790

GENERAL SURFACE PREPARATION

Surfaces must be dry, clean, free of oil, grease, form release agents, curing com-pounds, laitance, other foreign matter and be structurally sound. Remove all loose paint, mortar spatter, mill scale, and rust.

New Surfaces: Steel –Best results are obtained over a surface abrasive- blasted to a Near White Blast (SSPC-SP10, ISO-Sa2 1/2. Blast profile on steel should be 1.5 to 2.5 mils (38-63 microns) in depth and be of a sharp, jagged nature as opposed to a "peen" pattern (from shot blasting).

DIRECTIONS FOR USE

Tinting: White may be tinted with up to 4 oz./ gal. of CHROMA-CHEM® 844 colorants. (Do not use water based colorants). Add colorants to only the base portion. Mix thoroughly before adding the Converter portion.

Thinning: Thinning is not normally required or desired. However, at lower temperatures, small amounts (5% or less by volume) of T-5 thinner can be added depending on local VOC and air quality regulations. Any solvent addition should be made after the two components are thoroughly mixed. The pot life of the mixed material is 1 hour at 77°F (25°C). Higher temperatures will reduce working life of the coating; lower temperatures will increase it.

Mixing: DEVTRAN® 261QC epoxy is a two component product supplied in a 3 gallon kit which contains the proper ratio of ingredients. The entire contents of each container must be mixed together. Power mix both portions first to obtain a smooth, homogeneous condition. Then add the converter slowly with continued agitation. After the converter add is complete, continue to mix slowly. Stir thoroughly and scrape sides of can to ensure thorough blending. Mixed material is usable for 1 hour;

if it thickens, do not add thinner, but discard and mix fresh material. Higher temperatures will reduce working life of the coating; lower temperatures will increase it. Avoid storing or placing containers in direct sunlight.

Application: Where airless equipment is used, an airless spray pump capable of 3,000 psi (207 bars) and .021" to .025" tip size will provide a good spray pattern. Ideally, fluid hoses should not be less than 3/4" ID and not longer than 50 feet to obtain optimum results. Longer hose length may require an increase in pump capacity, pressure, and/or thinning.

Spreading Rate: Apply at 187-281 sq. ft. per gallon (4.6-6.9 m²/L) depending on surface texture. Make allowance for any losses due to overspray or surface irregularities.

Dry Time (ASTM D 1640): Dry hard in 3 hours at 77°F (25°C).

Clean-up: Use T-10 thinner.

PRECAUTIONS

DANGER! COMBUSTIBLE LIQUID AND VAPOR. 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. OVEREXPOSURE MAY CAUSE BLOOD, LIVER, KIDNEY DAMAGE. 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.** Keep away from heat, sparks and flame. **Do not** smoke. Vapors may ignite. Extinguish all flames, burners, stoves, heaters and pilot lights and disconnect all electrical motors and appliances before use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. If sanding, 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:** For skin contact, wash thoroughly with soap and water. If any product remains, gently rub with petroleum jelly, vegetable or mineral/baby oil then wash again with soap and water. Repeat as needed. Remove contaminated clothing. For eye contact, flush immediately with plenty of water for at least 15 minutes. **Get medical attention.** If swallowed, **get medical attention immediately.** If inhalation causes discomfort, remove to fresh air. If discomfort persists or breathing difficulty occurs, get medical attention. **KEEP FROM FREEZING.**

DS168-0606

SHIPPING

Flash Point: 80°F (27°C)
Packaging: 3 gallon kit (11.36 L)
 2 gallon base
 1 gallon converter

Shipping Weight: 3 gallon kit - 41 lbs. (18.8 kg)

261QC (05/07)
 Ad Stock #68516B

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Strongsville, Ohio U.S.A.
 800-654-2616
 www.devvoecoatings.com

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