

WATER REDUCIBLE EPOXY POLYAMIDE GLOSS ENAMEL

7-13

DESCRIPTION:

A water based, two-component epoxy polyamide that is chemical resistant and provides a tough, durable gloss finish for interior surfaces. Water Reducible Epoxy is best when used on primed or previously painted surfaces of masonry, concrete, brick, unglazed tile, plaster, wallboard, iron and steel. It is ideal for schools, hospitals and other areas where a high performance, low odor coating is needed. Product features water clean-up and easy application with brush, roller or spray.

Reprinted from National Paint and Coatings Association, Inc., FLAMMABILITY OF PAINT STUDY conducted by Southwest Research Institute, Project 3-3774-141. "We believe this study provides substantial evidence that conventional paints and coatings do not increase the flame spread of either non-flammable or flammable substrate upon which they are applied. It also indicates that any fuel contribution or smoke density increase is insignificant when compared with the contribution of the substrate itself."

SPECIAL CAUTIONS:

Should not be used on ductwork or similar surfaces subject to considerable flexing and vibration. Avoid the use of solvents to thin material.

Do not attempt to extend pot life by refrigeration.

Do not apply when material, surface air or temperature is below 60° F. (15° C.) or if relative humidity is above 85%.

Keep packaged material from freezing.

SURFACE PREPARATION:

GENERAL - Surface must be clean and dry. Remove oil, grease and wax with paint thinner. Remove dirt by washing with a detergent solution. Rinse thoroughly with clear water and allow to dry. Rust should be removed by wirebrushing or sanding. Refer to "**Surface Preparation Guide**" for more detailed instructions.

UNFINISHED SURFACES:

MASONRY-POURED AND PRE-STRESSED CONCRETE - Surfaces should be clean and dry. Etch all surfaces with a mixture of 2 parts water and 1 part muriatic acid. After etching action stops, wash the surface thoroughly with fresh water and allow to dry. Fill all pits and air holes with Latex Cement Patching Compound. Allow to cure overnight. If the concrete has not aged, prime with latex primer and allow to dry at least two hours before topcoating.

BLOCK-CONCRETE, HAYDITE, AGGREGATE - Be sure surface is clean and free of mud, dirt, dust or other foreign matter. Cracked joints or blocks should be repaired.

Normal Service - Dry with Occasional Splash Spillage. Surface should be filled with latex block filler. Avoid the formation of a layer of filler on the block face. Allow Block Filler to dry overnight before topcoating.

Severe Service - Continually High Moisture Areas: Surfaces should be filled with epoxy block filler. Allow block filler to dry overnight before topcoating.

ASBESTOS-CEMENT BOARD, BRICK AND UNGLAZED TILE - Surface must be clean and dry. See Mixing and Reducing instructions.

PLASTER, GYPSUM WALLBOARD, DRYWALL AND SHEETROCK - Surface must be clean and dry. Prime with latex primer and allow to dry overnight.

WOOD, PLYWOOD, HARDBOARD, PARTICLE BOARD AND OTHER WOOD DERIVATIVES - Surfaces must be clean and dry. Prime with primer undercoat and allow to dry overnight.

IRON AND STEEL - Remove rust and corrosion by sandblasting, scraping, wire brushing or sanding. Prime with one coat of metal primer and allow to dry overnight.

GALVANIZED METAL AND GLAZED TILE - Surface must be clean and dry. Prime with vinyl wash primer. Allow to dry one hour before topcoating.

PREVIOUSLY FINISHED SURFACES:

Remove all loose and flaking paint by scraping and sanding. Sand Glossy finishes until dull. Spot check for lifting of old finish. If lifting occurs, remove old finish with stripper and treat as new wood.

MIXING AND REDUCING:

Mix 1 part of "A" (Base) Component to 1 part "B" (Catalyst) Component by volume. Allow to stand 30 minutes before using or reducing. Mix no more material than will be needed for use in one working day. Do not attempt to extend pot life by refrigeration. Reducing is normally not required for brush, roller or airless spray application. For conventional air spray, water may be added up to one pint per converted gallon of material.

APPLICATION:

Do not apply when surface, air or material temperature is below 60° F. (15° C.) or if relative humidity is above 85%. Water Reducible Epoxy may be applied by brush, roller, and conventional or airless spray application. Two applications are required for best appearance. Use a short nap roller cover on smooth surfaces. Use the following spray recommendations or equal as a guide.

AIRLESS SPRAY:

Tip013-.015"
Fan	50°-60°(10-12 inch fan)
Pressure	1800-2000 PSI

CLEAN UP:

Clean all equipment immediately after each use with warm soapy water, then rinse with clean water. Follow-up with mineral spirits in spray equipment to avoid rusting. Dispose of used paint and waste in accordance with local, state and federal regulations.

COVERAGE:

One gallon of converted Water Reducible Epoxy should be applied at an application rate of 300-400 square feet per gallon (27-36 square meters per 3.785 liters) per coat on smooth surfaces. Approximate dry mil thickness of 2.2 to 1.7 mils at recommended spreading rate of 300 to 400 square feet per gallon per coat.

DRYING:

Optimum drying conditions are 60° F. to 90° F. (16° C. to 32° C.) at 50% R.H.

To Touch	1 Hour
To Recoat	4 Hours

Lower temperatures and high humidity will slow dry.

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Values based on **Water Reducible Epoxy Polyamide White, 2790/2791 (mixed)**

Weight Gallon: 13.00

Weight Solids: 62.5%

Volume Solids: 40.3%

Coverage:

@ 1 Dry Mil: 647 sq. ft./gallon

@ Spread Rate: 350 sq. ft./gallon (4.0 mils wet)
Deposits a 1.6 mil dry film

VOC (g/l): Not to Exceed 380

Viscosity: 100-105 K.U. @ 77° F.

Gloss @ 60: 85+

Grind (Hegman): #7

DOT Class: Non-Combustible, Not Regulated

Federal Specification: N/A

HMIS/NFPA: 1,0,0

Cure Time (Based on 70° F. & 50% R.H.):

To Touch: 1 Hour

To Recoat: 4 Hours

Recommended Thinner: Water for clean-up and reduction for spray

Temperature Resistance: Continuous 150° F., Intermittent 200° F.

CAUTION! Do not take internally. Close container after each use. Use only with adequate ventilation. KEEP OUT OF THE REACH OF CHILDREN. For specific safety requirements, refer to the Material Safety Data Sheet. Protect from freezing.

LIMITATION OF LIABILITY: To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance, but is subject to change without prior notice. We make no guarantee of any kind, express or implied, including merchantability and fitness for particular purposes. Liability, if any, is limited to replacement of the product or refund of the purchase price. Labor, or cost of labor, and other consequential damages are hereby excluded.