

DESCRIPTION:

Epoxy Polyamide Enamel is a high gloss, two-component chemical resistant enamel. Epoxy Enamel is for use on primed or previously painted concrete, plaster, drywall, wood and metal surfaces such as walls, doors, trim, catwalks, railings, storage tanks and machinery. Product is suited for high use areas of schools, office buildings and hospitals where maximum durability and resistance to stains and washing is necessary. Product may be applied by brush, roller or spray, however, brush is preferred.

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 substrates 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:

Do not apply when material, surface or air temperature is below 60°F. (15°C.).

SURFACE PREPARATION:

GENERAL - Surface must be clean. Remove oil and grease with a detergent solution or paint thinner. Wash off dirt with warm soapy water and rinse with fresh water. Rust should be removed by wirebrushing or sanding. Refer to "**Surface Preparation Guide**" for more detailed instructions.

UNFINISHED INTERIOR SURFACES:

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

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 and 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 - Surface should be filled with epoxy block filler. Allow block filler to dry overnight before topcoating.

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

ASBESTOS-CEMENT BOARD, BRICK AND UNGLAZED TILE - Surface must be clean and dry. As a first coat on dense cementitious surfaces, such as poured concrete, asbestos cement board and unglazed tile, thin the first application of Epoxy with one pint of Epoxy Reducer per mixed gallon.

IRON AND STEEL - Commercial Sandblast SSPC No. 6 is preferred for maximum adhesion and durability. Power Tool SSPC No. 3 is minimum requirement for surface preparation. Prime with one application of epoxy primer. Allow overnight dry before topcoat.

GALVANIZED METAL & ALUMINUM - Surface must be clean and dry. Solvent Wash SSPC No. 1 recommended prior to application of epoxy primer. Allow overnight dry before topcoat.

MIXING:

Mix equal parts of Epoxy Enamel with catalyst. Allow mixed unit to stand for 30 minutes before using. Pot life of mixed unit is approximately 8 hours at 75°F. (26°C.). Mix no more material than will be needed for use in one working day. Small quantities of mixed Epoxy may be stored under refrigeration (40°F. or less) for not more than 24 hours. Apply at package viscosity.

APPLICATION:

Do not apply when either surface, air or material temperature is below 60° F. (15°C.). Epoxy may be applied by brush, roller or by conventional or airless spray application.

To spray, use the following recommendation or equal as a guide:

AIRLESS SPRAY:

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

CLEAN UP:

Clean brushes, rollers and spray equipment, immediately after each use, with Epoxy Reducer. Dispose of used paint and waste in accordance with local, state and federal regulations.

COVERAGE:

One gallon of converted Epoxy should be applied at application rate of 400 square feet per gallon (37 square meters per 3.785 liters) on smooth surfaces. Approximate dry mil thickness of 2 mils at application rate of 400 square feet per gallon.

DRYING:

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

To Touch	2 Hours
To Recoat	Overnight
Full Cure	5-7 Days

Lower temperatures and high humidity will slow dry.

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Values based on **Epoxy Polyamide Gloss Enamel White, 2780/2781 (mixed)**

Weight Gallon: 12.16

Weight Solids: 69.9%

Volume Solids: 50.7%

Coverage:

@ 1 Dry Mil: 813 sq. ft./gallon

@ Spread Rate: 400 sq. ft./gallon (4.0 mils wet)

Deposits a 2.0 mil dry film

VOC (g/l): Not to Exceed 450

Viscosity: 70-80 K.U. @ 77° F.

Gloss @ 60: 90+

Grind (Hegman): #6.5-7

DOT Class: Flammable, Flash Point 81°F., UN1263

Federal Specification: TT-C-550 Performance Alternate

HMIS/NFPA: 2,3,0

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

To Touch: 2 Hours

To Recoat: Overnight

Recommended Thinner: None. Apply at package viscosity. Epoxy Reducer for clean-up.

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

CAUTION! Keep away from heat and open flame. Avoid prolonged contact with skin and breathing of vapor or spray mist. Do not take internally. Close container after each use. Use only with adequate ventilation. **KEEP OUT OF REACH OF CHILDREN.** For specific safety requirements, refer to the Material Safety Data Sheet.

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.