



Tuf-On® Waterborne Epoxy Gloss Enamel

15XX

Product Description:

Tuf-On Waterborne Epoxy Gloss Enamel is a highly durable, abrasion resistant, catalyzed coating. This two-package coating is available in a full range of bases for tinting and two standard gray colors. Tuf-On is resistant to common household stains and its chemical and solvent resistance properties are superior.

Recommended Use:

Tuf-On is designed for use on new or previously painted interior concrete floors, masonry, concrete blocks, wallboard, plaster, fiberglass, wood (not hardwood floors or exterior exposures), treated galvanized metals, steel, aluminum or other surfaces in sound condition. Tuf-On can be applied over conventional coatings without the lifting or wrinkling common with solvent based epoxies. Tuf-On can be used on garage floors, manufacturing plants, schools, hospitals and chemical handling facilities.

Application:

WARNING! If you scrape, sand or remove old paint from any surface, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to www.epa.gov/lead.

Tuf-On Waterborne Epoxy is self-priming over previously painted sound surfaces, but to assure good adhesion, a small test patch application is recommended. Be sure that the existing paint is soundly adhered to the substrate before proceeding. Scribing an "X" in the original finish and applying an adhesive tape (such as cellophane tape or duct tape) and snapping it off quickly will tell you if the original paint's adhesion is satisfactory if more than a third of the area is removed, don't apply Tuf-On until all of the existing paint is removed. If new wood is cedar or redwood, applications of a stain blocking primer such as Wipe-Out is recommended. Applications over bare steel require a metal primer before application of Tuf-On. All bare concrete floors should be acid etched with a 10% muriatic acid solution. Be sure to wear personal protection for your eyes and hands during this process. After etching rinse with clean water and allow the surface to dry for at least 24 hours before coating with Tuf-On.

Tuf-On Waterborne Epoxy Gloss coating consists of two components. Component A is a partially-filled gallon container holding 3 quarts* of base component to which a full quart of Component B should be added, This is a mixing ratio of three to one by volume. Stir each component separately to assure uniformity. Then mix the two components by pouring the B component into the component A container. Mix well and wait 30 minutes to insure induction before use. If the Tuf-On is to be tinted, add the universal colorant to the component A and stir well before adding the component B. Mix thoroughly. The pot life is 4 hours at 70-77° F.

*NOTE: The fill levels for component "A" for tint bases will be: Pastel: 94oz., Medium: 92oz., Deep: 88oz., Neutral: 84oz.

Architectural Specifications:

Two coats are recommended for most applications for best results. Be sure to apply the second coat within three days or it will be necessary to sand the substrate to assure optimum adhesion. Application can be by brush, roller or spray. Up to 1/2 pint of water can be added per catalyzed gallon to adjust viscosity. First coat applications over porous unpainted surfaces should be thinned with up to 1/2 pint of water per catalyzed gallon to assure penetration. All floor enamels are more slippery when the surface becomes wet or contaminated by dirt, oils, food or beverage residues or other debris To help reduce the possibility of slipping on a dry, clean floor, add one pint of California Industrial #1000 Slip resistant additive or #2 Pumice per gallon of floor enamel before application. To attain the best possible skid resistance, coated areas must be kept dry, properly cleaned and maintained. Please note that although this coating can be exposed to light service in 24 hours, the full service cure is 7 days at 77° F.

Precautions:

Tuf-On is not recommended for exterior applications since surfaces will gradually chalk in UV light and will change the original coating appearance. Do not apply when surface temperatures are below 50° F. Do not subject coating to heavy abrasion for at least seven days after application. Not recommended for use over ceramic tile that may be exposed to constant water exposures or steam (such as in a shower). Allow new concrete to cure for at least 30 days before applying Tuf-On.

Safety Information:

CONTAINS: GLYCOL EITHER. Avoid prolonged breathing of vapors or spray mist. Wear gloves, safety goggles and respiratory protection (NIOSH/MSHA TC 23C or equivalent). Avoid contact with eyes and skin. Wash hands after using. Close container after every use. Do not take internally. USE ONLY WITH ADEQUATE VENTILATION. KEEP FROM FREEZING. KEEP OUT OF REACH OF CHILDREN.

*Please note that the product specification data given for this coating is based on mixed components of No. 1536 "Seacoast Gray".

Product Specifications:

Type: 2 Part Epoxy*
Exposure: Interior
Specular Gloss: 75 @ 60° ± 5
Volume Solids: 30.6 % ± 2
Solids by Weight: 32.0 % ± 2
Vehicle: 77.4 % ± 2
Pigment: 22.6 % ± 2
Dry Film Thickness: 1.5 mils
Viscosity @ 77 °F: 93* KU ± 5
Maximum VOC: 250 g/liter
Flash Pt °F: Non-combustible
Thinner: Water
Clean Up: Soap & Water

Available Colors and Bases:

4 Bases 2 Grays

Available Package Sizes:

1 Gal. Kit

(Weight Per Gallon: 9.2 lbs. ± .5 lb)

Drying Times:

To Touch: 4-6 hrs.
To Handle: 6-8 hrs.
To Recoat: 24 hrs.

(@ 70-77 °F, 50% R.H.)

Surface Spread Rate:

Smooth: 275-325 s.f./gal.
Porous: 225-300 s.f./gal.

(Spray Application is 50% of above)

Tools and Equipment:

Brush - Synthetic, Nylon or Polyester

Roller - 3/8" Nap Synthetic Fiber

Airless Spray - .017 to .019 Tip