



HIGH PERFORMANCE COATINGS

Since 1982

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## WATERBORNE EPOXY ENAMEL SERIES

4050 GLOSS CLEAR Part A\*  
4150 GLOSS WHITE Part A\*  
4850 GRAY FLOOR EPOXY Part A  
4051 EPOXY CATALYST Part B

## TECHNICAL DATA

For use as Clear Gloss Topcoat and  
Tintable Neutral Base

### PRODUCT DESCRIPTION

A High Performance General Purpose Water Borne Epoxy Enamel formulated for use on floors, steel structures and institutional walls.

### PRODUCT FEATURES

**Outstanding Cure Speed and Return to Service**

**Rapid Hardness and Property Development**

**Excellent Solvent and Chemical Resistance**

**Tile Like Appearance**

**Excellent Gloss and Stain Removal**

### PRODUCT CHARACTERISTICS

Suitable for high traffic areas these

epoxies offer an Epoxy Resin Blend/ Aliphatic  
Ampient balance of toughness, chemical  
resistance and solvent resistance.

**Mix Ratio:** 3 to 1 3 parts Epoxy to 1 part  
Catalyst

**Color:** White and a wide range of colors  
via 4050 Clear Gloss, which can be used  
as a neutral base.

**Finish Sheen:** Units at 60 deg.  
4150 Gloss White Epoxy 95-100  
4050 Gloss Clear Epoxy 95-100  
4850 Gray Floor Epoxy 95-100

**Weight Per Gallon:**  
10.35 \*

**Volume Solids:**  
52% \*

**Weight Solids:**  
61.50% \*  
may vary slightly with clear and tinted colors  
and bases

**Dry Time @ 70 F:**

**To Touch:** 30-45  
Minutes

**To Recoat:** 5-6  
Hours/3 Days Max

(De-Gloss  
and Re-Coat)

**Coverage:** 250 sq. ft./gal@ 6 mils wet;  
3.1 mils dry

**Sweat in Time:** **Mechanic**

**Stir:** 5 Minutes **Hand**

**Stir:** 15 Minutes

**POTLIFE:** Activated product is good  
for 1 hour

**Warning:** This product  
displays a delayed "End Of  
Life" Solidification while the  
product may appear usable,  
using beyond the 1 hour pot  
life will result in a loss of  
gloss and other physical

### INSITUTIONAL / COMMERCIAL— Vertical Surfaces

**Surface Preparation:** Remove all surface contamination with appropriate cleaner. Rinse and allow to dry thoroughly. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces to a dull finish. Seal stains from water, smoke, ink, grease etc. with an appropriate primer / sealer.

**Drywall:** Fill cracks and holes with spackle / patch compound and sand smooth. Prime with appropriate primer, V-4502 Enamel Under Coater. Remove all sanding dust.

**Concrete, Concrete Block, Masonry:** New surfaces must be cured thoroughly-approximately 30 days. Fill rough and porous surfaces with an appropriate block filler product.

**Wood, Pre-Primed MDF Molding / Shelving:** Caulk cracks with appropriate latex type caulk. Fill all nail holes with putty and sand smooth.

### STRUCTURAL STEEL-Surface

Preparation

Prepare metal surfaces appropriately . For severe environment's prime with appropriate corrosion resistant primer. For light to medium industrial purposes. These products can be used for DTM (Direct to Metal) applications.

### PRODUCT APPLICATION - vertical surface

**Apply at temperatures above 50 and 90  
degree F.**

**Thinning:** Apply at can consistency. If thinning is necessary to obtain workability, use small levels of water, do not exceed 1 pint per gallon.

**Spray:** Airless or air assist airless spray recommended. Use 0.11- 0.15 orifice tip. Thin with water if necessary up to 1 pint per gallon.

**Brush:** Use synthetic bristle brush

**Roller:** Use 1/4 to 3/4 nap quality roller cover depending upon surface texture. Use spray / back roll method on large drywall and concrete wall areas.

**Clean Up:** Clean spills, splatters, tools and equipment with Soap & water. Flush spray equipment with an appropriate solvent to avoid rusting. The use of brushes and roller covers is highly recommended.

**IMPORTANT:** Be sure to have all surface preparations, masking etc. ready before catalyzing epoxy.

# TECHNICAL DATA

## COMMERCIAL / INDUSTRIAL FLOORS

### Surface Preparation: New concrete should cure

For at least 30 days before coating. May be applied over cured concrete that has been properly cleaned. Oil, grease and sealers may inhibit bonding. Any existing sealers must be removed by mechanical means such as shot blasting. For degreasing, scrub the concrete with a cleaner/degreaser and thoroughly flush with water. Wash the surface with a high pressure washer. Apply a solution of 3 to 1 muriatic acid and water, using a plastic gardening can or spray can (approximately 2 gallons of solution per 100 sq. ft.) Let the solution sit and react with the concrete for 2-3 minutes. Bubbles will be evident. Scrub the surface and flush with plenty of fresh water, rinse with power wash if possible. **IMPORTANT:** Don't allow acid solution to dry on the concrete surface. All cracks and erosion should be repaired with cementitious grout. After the grout has cured it may be necessary to use a floor buffer with either a 60-grit sanding disc or a grinding stone attachment to tone down marks and imperfections. The cleaning and acid etching procedure is to be repeated. You may also choose to repair the surface using water-washed silica and epoxy.

## PRODUCT APPLICATION

**Apply at temperatures above 50 degree F.**

**Thinning:** Apply at packaged consistency. If thinning is necessary to obtain workability, use small levels of water. Do not exceed 1 pint per gallon.

**Application:** Apply by roller, brush or squeegee.

**Roller:** Use 1/4 to 3/4 nap quality roller cover depending upon surface texture. Use spray / back roll method on large drywall and concrete wall areas.

**Clean Up:** Clean spills, splatters, tools and equipment with soap and water. Flush spray equipment with an appropriate compliant solvent to avoid rusting.

**IMPORTANT:** Be sure to have all surface preparations, masking, etc. ready before catalyzing epoxy.

**LARGE SURFACES:** It is strongly recommended to utilize 2 or more people for application purposes after catalyzation due to extremely fast pot life. (1 Hour). Doing large surfaces alone could effect appearance and overall outcome of surface being coated.

## CAUTIONS

**WARNING!** If you scrape, sand or remove old paint from any surface you may release 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 US EPA/Lead information Hotline at 1-800-424-LEAD (5323) or log onto [www.epa.gov/lead](http://www.epa.gov/lead).

**DANGER! HARMFUL OR FATEL IF SWALLOWED. VAPOR HARMFUL. IRRITATES EYES, SKIN AND RESPIRATORY TRACT. VAPOR HARMFUL.** Use only with adequate ventilation. To avoid over exposure open windows, doors or use other means to ensure fresh air supply during application and drying. If you experience eye watering, headache, or dizziness, increase fresh air supply, or wear respiratory protection (NIOSH approved) or leave the area. Respiratory protection is required before sanding or abrading dried film. Wear an approved particulate respirator (NIOSH approved) when sanding or abrading dried film. Follow all respirator manufacturers directions for proper respirator use. Avoid contact with eyes and skin. Wash hands after using. Close container when not in use.

Do not transfer contents to other containers for storage.

**FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention immediately. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty provide fresh air and call a physician. If swallowed call Poison Control Center at 800-854-6813, hospital emergency room or physician immediately.

**DELAYED EFFECTS FROM LONG TERM EXPOSURE.** Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

**WARNING:** Cancer and reproductive Harm -

DO NOT TAKE INTERNALLY!

KEEP OUT OF REACH OF CHILDREN

KEEP FROM FREEZING

[www.valleypaintutah.com](http://www.valleypaintutah.com)

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