

## HY-LUX<sup>®</sup> WATERBORNE INDUSTRIAL ENAMEL

### Description:

HY-LUX WATERBORNE INDUSTRIAL ENAMEL is a low VOC, quick-dry enamel based on high quality acrylic resin with excellent adhesion properties to a wide variety of metal substrates and wood products. This product dries to a smooth and hard surface. It is also available in clear and a wide selection of colors and tint bases. It may be applied by brush, roller or spray. 1200 White is USDA approved for use as a coating subjected to incidental food contact.

### Benefits:

- Fast drying • Good flexibility • Outstanding adhesion • Easy application • Non-flammable
- Water-reducible • Meets clean air standards
- Check local V.O.C. requirements for your intended application

### Compatible Primers:

- Ellis 600, 1200, 4400 & 7900 Series



### TECHNICAL DATA

<b>Product Number:</b>	1200 Series
<b>Colors:</b>	Clear, Assorted Colors and Tint Bases
<b>Viscosity:</b>	86 - 88 Krieb units @ 77°F
<b>Solids by Weight:</b>	32% - 47%
<b>Solids by Volume:</b>	27% - 33%
<b>V.O.C. (Volatile Organic Compounds): *</b>	250 grams per liter or less (2.1 lbs/gal)
<b>Solvent(s) Used:</b>	Glycol Ethers
<b>Finish:</b>	Gloss 80+
<b>Flash Point:</b>	>200°F/TCC
<b>Dry-To-Touch @ 77°F:</b>	30 minutes
<b>Dry-To-Handle @ 77°F:</b>	1 - 2 hours
<b>Recoat time @ 77°F:</b>	1 - 2 hours
<b>Coverage (Theoretical):</b>	433 - 535 square feet per gallon @ 1 mil DFT

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## Directions for use:

### **SURFACE PREPARATION:**

**GENERAL:** Surface must be free of oil, grease, dirt, wax, silicone, powdery or scaling rust, loose or peeling paint and all other foreign matter. Smooth slick surfaces should be sanded to promote adhesion. Prime bare and uncoated surfaces with one of the following Ellis Primers: 600 Solventborne Series, 1200 Waterborne Series, Maximus 4400 Series or Maximus 7900 Series.

**NON-FERROUS METALS:** Clean the surface thoroughly. Apply a prep coat of Hy-Lux 690 Low VOC Etching Filler as a first coat over the non-ferrous metal to etch the surface and promote adhesion. Allow 30 minutes to dry and follow with an appropriate Ellis Primer within 8 hours. After 8 hours, the Hy-Lux 690 Low VOC Etching Filler should be lightly sanded before applying the first coat of Ellis Primer.

**WOOD PRODUCTS:** Clean wood thoroughly. Prime and seal with one coat of Hy-Lux Primer or HY-LUX WATERBORNE INDUSTRIAL ENAMEL (tinted close to finish color, if desired).

**PAINTED SURFACES:** Be sure all loose and peeling paint is completely removed, and the surface is clean. Remove excess chalkiness with a wire brush or by sanding. Featheredge and spot prime with Ellis Primer as needed.

**MIXING:** Mix thoroughly before use and/or after thinning.

**THINNING:** Ready to apply as packaged, but if thinning is required, add up to 20% of 7999 Waterborne Universal Flow Agent. Do not over thin; sagging may result.

**APPLICATION:** Apply 2 coats, 1 to 2 hours apart using conventional application methods and equipment.

**DRY TIMES (@77°F):** DRY TO TOUCH: 30 Minutes, RECOAT: 1-2 Hours, DRY TO HANDLE: 1-2 Hours, FULL CURE: 7 Days

**CLEAN-UP:** Clean pad applicators, brushes and rollers immediately after use with soap and cold water. Clean spray equipment immediately after use with water followed with Ellis 80/20 Zero VOC Exempt Solvent.

**SHELF LIFE:** Shelf life is 1 year from date of manufacture when stored at temperatures not to exceed 90°F.

### **PHYSICAL FILM PROPERTIES AFTER 7 DAYS OF AIR DRY**

**ADHESION:** Cross-hatch – 100% adhesion

**FLEXIBILITY AND ELONGATION:** 1/2" Mandrel, no cracking

**HARDNESS:** B

**ACCELERATED WEATHERING:** 500 hours, 90% gloss retention

**PRINT AND BLOCK RESISTANCE:** Good

**DIRECT IMPACT:** 80 in-lbs, no cracking

**REVERSE IMPACT:** 80 in-lbs, no cracking

\*V.O.C. Rule and Regulation requirements are mandated by local air management districts and change from district to district. Refer to your local V.O.C. Rules and Regulations from your air resources board or on the web at [www.arb.ca.gov/capcoa/roster.htm](http://www.arb.ca.gov/capcoa/roster.htm)

Refer to product label and Material Safety Data Sheet (MSDS) for cautions and warnings pertaining to this product.

### **Limited Warranty:**

*Ellis Paint Company certifies that all Ellis coatings delivered to the customer in new, sealed containers will meet all pertinent quality standards presented in Ellis published literature. Since matters of surface preparation, application procedures and other local factors which affect performance are beyond its control, Ellis assumes no liability for coating failure other than to supply replacement material for Ellis coatings shown to be defective. If you have questions, contact your dealer, visit [www.ellispaint.com](http://www.ellispaint.com), or call Ellis Paint Company. There is no other warranty, either expressed or implied.*

