

## DECADE SELF-PRIMING URETHANE

### Description:

DECADE SELF-PRIMING URETHANE enamel is a two-component coating providing gloss, excellent durability and resistance properties, along with an extremely low VOC of less than 100 grams per liter, 0.8 pounds per gallon. DECADE SELF-PRIMING URETHANE is lead and chromate free. This breakthrough formula results in cutting production time saving hours of application time for each project.

### Partial List of Uses:

- Concrete floors • Machinery • Oil refineries
- Storage tanks • Offshore platforms • Piers
- Structural steel • Steel decks

### Benefits:

- Exceptionally strong adhesion • Long-term protection • Chemical resistance • Exceptional resistance to chipping abrasion • Easy mixing
- Long term gloss



### TECHNICAL DATA (combined)

<b>Product Number:</b>	DX - 8500 Series
<b>Colors:</b>	White, Black and Tint Bases
<b>Viscosity:</b>	60 - 65 Krebs Units @77°F
<b>Solids by Weight:</b>	38% - 50%
<b>Solids by Volume:</b>	38% - 44%
<b>V.O.C. (Volatile Organic Compounds): *</b>	100 grams per liter or less (0.8 lbs/gal)
<b>Solvent(s) Used:</b>	PCBTF/Acetate/Naptha/Xylene
<b>Finish:</b>	80+ Gloss
<b>Flash Point:</b>	76°F (part A), 109°F (part B)
<b>Dry-To-Touch @ 77°F:</b>	20 minutes
<b>Dry-To-Handle @ 77°F:</b>	1 hour
<b>Recoat time @ 77°F:</b>	1-2 hours @ 70-80°F
<b>Coverage:</b>	602-687 square feet per gallon @ 1 mil DFT
<b>Pot Life:</b>	Approximately 2 hours @77°F
<b>Shelf Life:</b>	1 year from date of manufacture

## DECADE SELF-PRIMING URETHANE

### Directions for use:

**SURFACE PREPARATION: GENERAL:** All surfaces to be painted must be clean, dry and in fit condition to be painted. Be sure to remove all wax, silicone, oil, powdery or scaling rust, loose or peeling paint and all other foreign matter. Smooth, slick surfaces should be sanded to achieve adhesion.

**BARE FERROUS METAL:** Clean off all dirt, grease, oil, wax or other foreign matter. All loose, powdery or scaling rust must also be removed. A completely de-rusted surface is recommended.

**NON-FERROUS METALS:** Clean surface thoroughly, then apply a prep coat of Hy-Lux® 690 Low VOC Etching Filler as a first coat over the non-ferrous metal to insure adhesion. Topcoat the Hy-Lux® 690 Low VOC Etching Filler with Decade Self-Priming Urethane between 2 to 8 hours. After 8 hours, the Hy-Lux® 690 Low VOC Etching Filler should be lightly sanded before applying the first coat of DECADE Self-Priming Urethane.

**PAINTED SURFACES:** Decade Self-Priming Urethane may lift old paint. We recommend a test patch. If lifting occurs, remove old paint and follow directions for bare ferrous metals. 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.

**MIXING:** Be sure all spray painting equipment is clean and ready to use prior to mixing and application of coating. **IMPORTANT!** Decade Self-Priming Urethane DX-8500 Series must be mixed with DX-8599 Catalyst before the product can be used. Decade Self-Priming Urethane is a two-part product consisting of part DX-8500 Series and DX-8599 Catalyst. The proper mixing ratio is 4:1. Mix four parts of Decade Self-Priming Urethane DX-8500 Series with one part DX-8599 Catalyst. Stir thoroughly to a uniform mixture. Strain mixture prior to application.

Mix no more material than will be used in a 2-hour period. Any mixture of DX-8500 Series and DX-8599 Catalyst will have the hazards of both components. Before opening the packages, **READ ALL WARNINGS ON THE LABELS. OBSERVE ALL APPLICABLE PRECAUTIONS.**

**THINNING:** If thinning is necessary, use 82 Super Gloss & Flow Zero VOC Reducer. Thin to desired viscosity after the Decade Urethane Catalyst has been added.

**POT LIFE:** Pot life is approximately 2 hours @ 77°F. Pot life can be extended by adding Ellis 82 Super Gloss & Flow Zero VOC Reducer. Pot life will be reduced as the ambient temperature rises above 77°F.

**APPLICATION:** Apply by spray, (or in small areas by brush or roller) in an even, wet coat to a minimum of 5 mils wet film (DFT of 2 mils) thickness. Give particular attention to all irregularities to ensure that they are completely covered. On a porous type substrate, the use of a thin or "mist" coat may be needed. If a second coat is needed, allow 15 minutes flash time.

**RECOAT TIME:** Recoat when material is relatively dry and firm (1-2 hours at 77°F and 50% RH), but before coating reaches complete cure and hardness. Check for desired film thickness and continuity. Allow final dry time of at least 5 days at 77°F. All solvent vapors should be removed before placing in service. Curing time is significantly shorter at higher temperatures or lower film thicknesses, and longer at lower temperatures or higher film thicknesses.

**CLEAN-UP:** CAUTION! Do not allow catalyzed material to stand in equipment after use. Equipment should be thoroughly cleaned immediately after use in an enclosed spray equipment cleaner 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.

### FILM PROPERTIES:

**ADHESION:** ASTM D-3359 Cross-Hatch. 5B. - 100% adhesion

**FLEXIBILITY AND ELONGATION:** ASTM D-522 1/8" Mandrel, no cracking

**IMPACT RESISTANCE:** ASTM D6905 50lbs/in.

**MAR RESISTANCE:** Excellent

**PENCIL HARDNESS:** ASTM D-3363 F - H

**SALT SPRAYING:** ASTM B117 1,000 hours, No rust on unscrubbed area.

**ACCELERATED WEATHERING:** ASTM G154 1000 hours UV313B lamps. 95% gloss retention.

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.*

