

9700 DIRECT-TO-METAL

Description:

9700 Series DIRECT-TO-METAL is a semi-gloss waterborne, acrylic enamel that can be applied to properly prepared surfaces without using a primer. This product is designed to provide a dry film thickness of up to 5 mils per applied coat without sagging. This product adheres to a variety of substrates including steel, masonry and previously coated surfaces.

Partial List of Uses:

- Intermodal containers • Trash bins • Steel fabrication for material handling equipment
- Conveyors • Heavy duty equipment • Hand trucks

Benefits:

- Fast drying • Meets clean air standards • Water-reducible
- Good corrosion resistance • Non-flammable
- Outstanding adhesion • Can be applied directly to metal



TECHNICAL DATA

Product Number:	9700 Semi-Gloss Series
Colors:	White, Black and Tint Bases
Viscosity:	90 - 95 Krebs Units @ 77°F
Solids by Weight:	39% - 48%
Solids by Volume:	32% - 38%
V.O.C. (Volatile Organic Compounds): *	250 grams per liter or less (2.1 lbs/gal)
Solvent(s) Used:	Glycol Ethers
Finish:	Semi-Gloss
Flash Point:	>200°F/TCC
Dry-To-Touch @ 77°F:	30 minutes
Dry-To-Handle @ 77°F:	1 - 2 hours
Recoat time @ 77°F:	1 - 2 hours
Coverage (Theoretical):	575 - 614 square feet per gallon @ 1 mil DFT

9700 DIRECT-TO-METAL

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 give a mechanical tooth for adhesion purposes.

BARE 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.

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.

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 a coat of 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 DTM.

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

THINNING: Thinning is not usually required. Ready to spray as packaged, but if thinning is necessary, thin with water as needed. DO NOT OVER THIN; sagging may result.

APPLICATION: Stir the paint well before using; apply at package consistency. Spray 2 wet coats to achieve proper film thickness. Brushing is not recommended except for small areas or for touch-up.

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: One year from date of manufacture in an unopened container and stored at temperatures not to exceed 90°F.

FILM PROPERTIES:

ADHESION: ASTM D-3359 Cross-hatch 100% adhesion

FLEXIBILITY: ASTM D-1737 1/2" Mandrel no cracking

HARDNESS: ASTM D-3363 HB

ACCELERATED WEATHERING: ASTM G-53 500 Hours 90% gloss retention

DIRECT IMPACT: ASTM D-279 80 in-lbs no cracking

REVERSE IMPACT: ASTM D-2794 80 in-lbs no cracking

SALT SPRAY: Gloss ASTM-B117-85 500 Hours passed, no blisters, few rust spots

*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

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, or call Ellis Paint Company. There is no other warranty, either expressed or implied.

