

## LOW VOC ETCHING FILLER

### Description:

LOW VOC ETCHING FILLER is a two-component pretreatment primer for use as an intermediate coat over bare metal to increase adhesion on aluminum, galvanized metal or any clean, smooth metal surface. This non-chromate formula product provides excellent adhesion with outstanding corrosion and chip resistance. LOW VOC ETCHING FILLER must be coated with a conventional metal primer within 8 hours to insure both intercoat adhesion and maximum corrosion protection.

### Partial List of Uses:

- Etching metal surfaces prior to application of primer to promote adhesion

### Benefits:

- Low VOC formulation
- Fast dry time - 15 minutes
- Promotes adhesion on metal surfaces
- Rust - and corrosion-resistant

### Compatible Primers:

- Ellis 600, 1200, 4400, 5100, 5500 & 7900 Series



### TECHNICAL DATA (Combined)

Product Number:	690A Base, 690B Catalyst
Colors:	Green
Viscosity:	11-13 seconds #2 Zahn Cup @ 77°F
Solids by Weight:	16
Solids by Volume:	7.4%
V.O.C. (Volatile Organic Compounds): *	420 grams per liter or less, 3.5 lbs. per gallon
Solvent:	Alcohol, Ketones, Esters and Xylene
Finish:	Flat
Flash Point:	1°F TCC
Dry-To-Touch @ 77°F:	15 minutes
Dry-To-Handle @ 77°F:	Within 8 hours
Recoat time @ 77°F:	Must recoat within 8 hours
Coverage (Theoretical):	120 sq. ft. per gallon @ 1 mil DFT

## LOW VOC ETCHING FILLER

### Directions for use:

#### **SURFACE PREPARATION:**

**GENERAL:** All surfaces to be primed must be clean, dry and in fit condition to be painted. Be sure to remove all dirt, grease, oil, wax, silicone, powdery or scaling rust, and all other foreign matter. Smooth slick surfaces should be sanded to give a mechanical tooth for adhesion purposes.

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

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

**CAUTION:** LOW VOC ETCHING FILLER contains phosphoric acid. If splashed in eyes, on clothing, skin adjacent surfaces, concrete painted areas, etc., flush immediately with water to remove.

**MIXING: IMPORTANT!** Ellis LOW VOC ETCHING FILLER 690A must be mixed with Ellis LOW VOC ETCHING FILLER 690B before the product can be used. Any mixture of 690A and 690B will have the hazards of both components. Before opening the packages, READ ALL WARNINGS ON THE LABELS. OBSERVE ALL APPLICABLE PRECAUTIONS.

Ellis LOW VOC ETCHING FILLER is a two-part product consisting of Part 690A and Part 690B. The proper mixing ratio is 1:1.

**MIX ONLY WHEN READY TO USE.** Use within 8 hours of mixing.

Thoroughly stir 690A and slowly add 690B until well mixed. When 690A and Part 690B are mixed together, there will be some loss of its etching ability after a period of 24 hours. Material that has been sprayed will not be affected.

**VISCOSITY:** Viscosity is approximately 11–13 seconds, #2 Zahn Cup @ 77° F.

**POT LIFE:** Pot life is approximately 8 hours @ 77°F. Pot life will shorten at higher temperatures.

**THINNING:** No thinning is required.

**APPLICATION: BARE METAL:** Apply thoroughly mixed product by brush, roller or spray gun. Brushing is not recommended for large areas due to the product's fast dry time. An even wet coat is recommended so that the acid in the mixture will have a chance to bite into the metal. Apply one wet coat. Dry film thickness should not exceed 0.5 mils. After 30 minutes, but no later than 8 hours, follow with an appropriate Ellis Primer.

**NOTE:** DO NOT APPLY THICKER THAN 0.5 mil DFT (Dry Film Thickness) when using under epoxy solution vinyl or acrylic coating. Heavier DFTs will result in slower dry time and possible loss of adhesion. Follow with an appropriate Ellis Primer after 30 minutes. Be sure to apply Ellis Primer within 8 hours of applying Ellis LOW VOC ETCHING FILLER. After 8 hours, Ellis LOW VOC ETCHING FILLER should be lightly sanded before applying the Ellis Primer. Do not leave unprimed metal treated with Ellis LOW VOC ETCHING FILLER exposed to sunlight for more than six weeks.

**CLEAN-UP:** Equipment should be thoroughly cleaned immediately after use in an enclosed spray equipment cleaner with Ellis 80/20 Zero VOC Exempt Solvent. Please refer to your local Air District rules for VOC requirements.

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

\*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.*

