

## MAXIMUS SOLVENTBORNE EPOXY PRIMER

### Description:

**MAXIMUS SOLVENTBORNE EPOXY PRIMER** is a corrosion resistant two-part (4:1) epoxy primer that is extremely hard, tough and durable. For use indoors, outdoors, above water, over steel, wood, concrete, aluminum or fiberglass. May be applied by spray, brush or roller. When mixed with **5199 MAXIMUS SOLVENTBORNE EPOXY PRIMER ACTIVATOR - PART B**, the combined component VOC level of Maximus Solventborne Epoxy Primer is 100 grams per liter, or less, to meet the requirements of S.C.A.Q.M.D. Rule 1113 for the category of Industrial Maintenance Coatings.

### Partial List of Uses:

- Priming and protecting unpainted steel
- As a primer under epoxy and polyurethane topcoats

### Benefits:

- Extremely hard, tough and durable
- Corrosion Resistant
- Exceptionally strong adhesion
- Will withstand above water exposure
- Excellent for long-term protection

### Compatible Topcoats:

- Ellis 5100 & 5500 Series



### TECHNICAL DATA (Combined)

<b>Product Number:</b>	5170, 5187
<b>Colors:</b>	Yellow Oxide, Light Gray
<b>Viscosity:</b>	65-70 Kneb Units @ 77°F
<b>Solids by Weight:</b>	57-58%
<b>Solids by Volume:</b>	41-42%
<b>V.O.C. (Volatile Organic Compounds):</b> *	Mixed with 5199 - 100 grams per liter or less (0.8 lbs/gal)
<b>Solvent(s) Used:</b>	Xylene/Methyl Acetate/Butyl Acetate/Butyl Alcohol/Tert-Butyl Acetate
<b>Finish:</b>	Flat
<b>Flash Point:</b>	8.6°F/TCC (Base), 40°F/TCC (Catalyst)
<b>Dry-To-Touch @ 77°F:</b>	2 hours
<b>Dry-To-Handle @ 77°F:</b>	12 hours
<b>Recoat time @ 77°F:</b>	12 hours - 4 days
<b>Coverage (Theoretical):</b>	672 square feet per gallon @ 1 mil DFT

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## 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 promote adhesion. Prime bare and uncoated surfaces with Maximus Solventborne Epoxy Primer.

**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. Prime bare and uncoated surfaces with Maximus Solventborne Epoxy Primer.

**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 of the primer. Topcoat the Hy-Lux® 690 Low VOC Etching Filler with Maximus Solventborne Epoxy Primer 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 Maximus Solventborne Epoxy Primer.

**PAINTED SURFACES:** Maximus Solventborne Epoxy Primer 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. Feather edge and spot prime with Maximus Epoxy Primer.

**BARE WOOD:** Clean wood thoroughly. Prime and seal with one coat of Maximus Solventborne Epoxy Primer.

**MIXING:** Maximus Solventborne Epoxy Primer is a two-part product consisting of Part A Base and Part B Activator. The proper mixing ratio is 4:1.

**IMPORTANT!** Maximus Solventborne Epoxy Primer 5100 Series - Part A Base must be mixed with 5199 Maximus Solventborne Epoxy Primer Activator – Part B before the product can be used. Any mixture of Maximus Solventborne Epoxy Primer 5100 Series - Part A Base and 5199 Maximus Solventborne Epoxy Primer Activator – Part B will have hazards of both components. Before opening the packages, READ ALL WARNING LABELS. FOLLOW ALL PRECAUTIONS.

**MIX ONLY WHEN READY TO USE.** Mix four parts Maximus Solventborne Epoxy Primer 5100 Series Part A Base with 5199 Maximus Solventborne Epoxy Primer Activator – Part B. Stir intermittently and allow to set in an open container for 30 minutes before application and/or thinning.

**THINNING:** If thinning is necessary, reduce with 82 Super Gloss & Flow Zero VOC Reducer or Ellis 80/20 Zero VOC Exempt Solvent. Thin to desired viscosity after the Maximus Solventborne Epoxy Primer Activator has been added.

**POT LIFE:** Pot life is approximately 3 hours @77°F. Pot Life can be extended by adding 82 Super Gloss & Flow Zero VOC Reducer or Ellis 80/20 Zero VOC Exempt Solvent. Pot Life will be reduced as the ambient temperature rises about 77°F and/or when volume of mixture exceeds 1 gallon. CAUTION! Do not allow catalyzed material to stand in equipment after use. Clean equipment immediately after use.

**APPLICATION:** Be sure all spray painting equipment is clean and ready to use prior to mixing and application of coating. Application at air and surface temperatures lower than 125°F and above 50°F and more than 5°F above the dew point is suggested. Apply by spray, (or in small areas by brush or roller) in an even, wet coat. Give particular attention to all irregularities to ensure that they are completely covered. On a porous type primer or substrate, the use of a thin or “mist” coat may be needed.

**RECOAT TIME:** Recoat when material is relatively dry and firm (12 hours-4 days 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 4 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.

**DRY TIMES (@77°F):** DRY-TO-TOUCH: 2 Hours, DRY TO HANDLE: 12 Hours, RECOAT: 12 Hours - 4 Days, FULL CURE: 7 Days.

**CLEAN-UP:** 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 2 years from date of manufacture when stored at temperatures not to exceed 90°F.

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.*

