

## MAXIMUS SOLVENTBORNE POLYURETHANE COATING

### Description:

MAXIMUS SOLVENTBORNE POLYURETHANE is an industrial maintenance coating formulated at 100 V.O.C. to meet the requirements of S.C.A.Q.M.D. Rule 1113 for the category of Industrial Maintenance Coatings. MAXIMUS SOLVENTBORNE POLYURETHANE is a two-part (4:1), high-quality, low-VOC, polyurethane designed to provide a high-gloss, extremely durable solvent and chemical-resistant topcoat. This product sets up rapidly and can be brushed or rolled or easily applied by airmix or HVLP spray.

### Partial List of Uses:

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

### Benefits:

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

### Compatible Primers:

- Ellis 5100 Series



### TECHNICAL DATA (Combined)

<b>Product Number:</b>	5500 Series
<b>Colors:</b>	White, Black and Tint Bases
<b>Viscosity:</b>	62 - 64 Kneb Units @ 77°F
<b>Solids by Weight:</b>	30% - 46%
<b>Solids by Volume:</b>	33% - 40%
<b>V.O.C. (Volatile Organic Compounds): *</b>	Less than 100 grams per liter (0.8 lbs/gal)
<b>Solvent(s) Used:</b>	PCBTF/Ester/Xylene/Alcohol
<b>Finish:</b>	90+ Gloss
<b>Flash Point:</b>	54°F
<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
<b>Coverage (Theoretical):</b>	540-642 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 Prime.

**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 Solventborne Epoxy Primer.

**BARE WOOD:** Clean wood thoroughly. Prime and seal with one coat of Maximus Solventborne Epoxy Primer or Maximus Solventborne Epoxy Enamel (tinted close to finish color, if desired).

**MIXING:** MAXIMUS SOLVENTBORNE POLYURETHANE COATING is a two-part product consisting of Part A Base and Part B Activator. The proper mixing ratio is 4:1.

**IMPORTANT! MAXIMUS SOLVENTBORNE POLYURETHANE COATING 5500 Series Part A Base** must be mixed with **MAXIMUS SOLVENTBORNE POLYURETHANE CATALYST - Part B** before the product can be used. Any mixture of 5500 Series Part A BASE and POLYURETHANE CATALYST 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 POLYURETHANE COATING 5500 Series Part A Base with MAXIMUS SOLVENTBORNE POLYURETHANE CATALYST - Part B.

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

**POT LIFE:** Pot life is approximately 2 hours @77°F. Pot Life can be extended by adding 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 to a minimum of 4 wet film thickness. 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. 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.

**DRY TIMES (@77°F):** DRY-TO-TOUCH: 20 minutes, DRY TO HANDLE: 1 Hour, RECOAT: 1-2 Hours, FULL CURE: 5 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 1 year 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.*

