

MAXIMUS SOLVENTBORNE EPOXY COATING

Description:

MAXIMUS SOLVENTBORNE EPOXY COATING is a two-part (4:1) heavy duty thixotropic coating, catalyzed by a unique activator. This coating 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. Maximus Solventborne Epoxy Coating, like all epoxy coatings, will lose gloss and be subject to chalking on exterior exposures only. This does not impair durability or protection. When mixed with **5190 MAXIMUS SOLVENTBORNE EPOXY ACTIVATOR**, the combined component VOC level of Maximus Solventborne Epoxy Coating is 50 grams per liter, or less.

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

Compatible Primers:

- Ellis 5100 Series



TECHNICAL DATA (Combined)

Product Number:	5100 Series
Colors:	White, Black, Gray and Tint Bases
Viscosity:	100 - 105 Kneb Units @ 77°F
Solids by Weight:	78% - 84%
Solids by Volume:	73% - 78%
V.O.C. (Volatile Organic Compounds): *	Mixed with 5190 - 50 grams per liter or less (0.4 lbs/gal)
Solvent(s) Used:	PCBTF/Ketones/Alcohol
Finish:	Extremely High Gloss
Flash Point:	23°F/TCC (Base), 40°F/TCC (Catalyst)
Dry-To-Touch @ 77°F:	5 hours
Dry-To-Handle @ 77°F:	12 hours
Recoat time @ 77°F:	12 hours - 5 days
Coverage (Theoretical):	1184 - 1246 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 METALS: 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 Coating 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 Epoxy 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 Epoxy Coating 5100 Series - Part A Base must be mixed with 5190 Maximus Solventborne Epoxy Activator - Part B before the product can be used. Any mixture of Maximus Solventborne Epoxy Coating 5100 Series - Part A Base and 5190 Maximus Solventborne Epoxy 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 Coating 5100 Series Part A Base with one part 5190 Maximus Solventborne Epoxy 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 Activator has been added.

POT LIFE: Pot life is approximately 2 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-5 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 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: 5 Hours, DRY TO HANDLE: 12 Hours, RECOAT: 12 Hours - 5 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, or call Ellis Paint Company. There is no other warranty, either expressed or implied.

