Tufcote™ Hydro LV ST
Satin Gloss Waterborne Acrylic Topcoat
(Formerly Maximus 7900 Series - 7996)

GENERAL

DESCRIPTION
Tufcote Hydro LV ST Topcoat is an industrial maintenance coating formulated at 0.8 lb/gal (100 g/l) VOC to meet the requirements of SCAQMD Rule 1113 for the category of Industrial Maintenance Coatings. Tufcote Hydro LV ST Topcoat is a waterborne quick-dry enamel based on a high-quality acrylic resin with excellent adhesion properties to a wide variety of substrates, including, but not limited to, steel, plastic and wood. This product dries to a smooth, hard, satin surface. It may be applied by brush, roller or spray application.

SUGGESTED USES
As an economy coating on properly prepared steel, plastic and wood in hospitals, schools, hotels, motels, wineries, metal buildings (interior), aircraft support equipment, machinery, equipment maintenance, and doors where the following attributes are desirable:
- Fast drying
- Water reducible
- Non-flammable
- Good flexibility
- Easy application
- Meets clean air standards
- Outstanding adhesion

COMPATIBILITY WITH OTHER COATINGS
- For best results, apply over Tufcote 4400 and 7900 series primers
- Can also be applied over old coatings in good condition, after testing for adhesion

COLOR
7996 Satin Black

The products referenced herein may not be sold in your market. Please consult your distributor for product availability.

MIXING

COMPONENTS
Tufcote Hydro LV ST 7996 Topcoat	1 gallon container 100% full (128 oz.)

MIXING
Mix thoroughly before use and/or after thinning. Assure color is uniform and there are no solids on bottom of can.

Reduction
Ready to spray as packaged but if thinning is necessary, use 7999 Universal Flow Agent up to 20% by volume. The addition of 7999 flow agent, will help with flow and melt in. Do not over thin; sagging may result. Clean water may also be used.

POT LIFE
n/a

APPLICATION

SURFACE PREPARATION

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 Tufcote 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 Tufcote Primer.

Aluminum surfaces should be properly treated. Surface preparations may include sanding, brush off blasting (SSPC-SP7), alodine treatment, treatment with an acid, or other preparation necessary to ensure adhesion. All aluminums are not alike, it is strongly suggested that adhesion testing be done to assure system robustness.

Galvanized steel surface preparation may include detergent washing, pre-treatment and abrasion for new surfaces; for weathered surfaces, detergent washing and sanding. For new galvanized surfaces, acid treatments, degreasing and abrasion might be required before application of appropriate primer.

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. Feather edge and spot prime with Tufcote Primer.

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

APPLICATION

Apply two coats, allowing 10-20 minutes between coats, if possible. Apply using conventional application methods and equipment. Apply with a wet edge.

CLEAN UP THINNERS

Clean pad applicators, brushes and rollers immediately after use with soap and cold water. Clean spray equipment immediately after use with water followed with 8020 Zero VOC Exempt Solvent.

DRY TIMES

Cure Time at Recommended Thickness @ 50% RH

	77°F (25°C)
To Touch	30 minutes
To Handle	1-2 hours
Recoat Time	1-2 hours
Full Cure	7 days

PHYSICAL PROPERTIES

Viscosity	86 - 88 Kreb Units @ 77ºF
Volume Solids	36% +/- 2%
Weight Solids	42% +/- 2%
Theoretical Coverage Per Gallon	585 ft² per gallon @ 1 mil DFT
Solvents Used	Glycol Ethers
Flash Point	>200ºF/TCC

Gloss	Satin
Shelf Life	12 months
Recommended DFT	2-3 mils DFT (5-6 WFT)

Application by brush and roller may require additional coats to achieve recommended films thickness.

STORAGE CONDITIONS

Store in a dry, well-ventilated area. Storage conditions should be between 35ºF (2ºC) and 90ºF (32ºC). Do not allow product to freeze.

VOC REGULATIONS

VOC (Theoretical, varies with color).

0.8 lbs/gal (100 grams per liter) or less

These directions refer to the use of products which may be restricted or require special mixing instructions in VOC regulated areas. Follow mixing usage and recommendations in the VOC Compliant Products Chart for your area.

SAFETY AND HANDLING

For industrial use only by professional, trained painters. Not for sale to or use by the general public. Before using, read and follow all label and MSDS precautions. If mixed with other components, mixture will have hazards of all components.

Ready to use paint materials containing isocyanates can cause irritation of the respiratory organs and hypersensitive reactions. Asthma sufferers, those with allergies and anyone with a history of respiratory complaints must not be asked to work with products containing isocyanates.

Do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation, and gloves.

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