



# Tufcote™ Hydro 2.1 PR

## Waterborne Acrylic Primer

(Formerly Hy-Lux 1200 Series)



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### GENERAL

#### DESCRIPTION

Tufcote Hydro 2.1 PR is a waterborne low VOC, quick-dry, acrylic based primer designed with excellent adhesion properties for a wide variety of metal substrates and wood products. This primer is an excellent choice for areas that require a primer that contains no lead or chromates. 1262 White Primer has been USDA approved as a primer in areas subjected to incidental food contact. Tufcote Hydro 2.1 PR has excellent sanding properties.

#### SUGGESTED USES

As an economy coating on properly prepared metal and wood where the following attributes are desirable:

- Fast drying
- Water reducible
- Non-flammable
- Corrosion resistant
- Good flexibility
- Easy application
- For the coating of metal parts and products
- Meets clean air standards
- Outstanding adhesion

#### COMPATIBILITY WITH OTHER COATINGS

- Tufcote 1200, 3100, 3300, 4400 & 7900 series topcoats.
- Can also be applied over old coatings in good condition, after testing for adhesion.

#### COLOR

1262 White  
1263 Grey  
1272 Red Oxide

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



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### MIXING

#### COMPONENTS

Tufcote Hydro 2.1 PR Primer 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 water. Do not over thin; sagging may result.



**POT LIFE**

n/a



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**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.

For best results on steel, abrasive blast surface to an SSPC-SP-6 Commercial Blast. Profile should be 2.0 to 2.5 mils. Average peak to valley surface profile shall be 1.5 to 2.5 mils. If blasting is not possible or practical, hand tool clean to an SSPC-SP 2 or power tool clean to an SSPC-SP 3 may be used with sacrifice in performance vs. blasted surfaces.

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.

**WOOD SURFACES:** Clean wood thoroughly. Prime and seal with one coat of Tufcote Primer or Tufcote Hydro.

**APPLICATION**

Apply 1 to 2 coats at package consistency. Allow primer to dry for 1 hour, then apply topcoat using conventional application methods and equipment.

**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 Tufcote 8020 Zero VOC Exempt Solvent.



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**DRY TIMES**

Cure Time at Recommended Thickness @ 50% RH

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



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## PHYSICAL PROPERTIES

Viscosity	86 - 88 Kreb units @ 77°F
Volume Solids	33% - 36%
Weight Solids	53% - 56%
Theoretical Coverage Per Gallon	560 - 580 ft <sup>2</sup> per gallon @ 1 mil DFT
Solvents Used	Glycol Ethers
Flash Point	>200°F/TCC
Gloss	Flat
Shelf Life	12 months
Recommend DFT	2-3 mils DFT (6-7 mils WFT)

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

## STORAGE CONDITIONS

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

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## VOC REGULATIONS

VOC (Theoretical, varies with color).

Less than 2.1 lbs/gal (250 grams per liter)

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.

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## 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.

All technical advice, recommendations and services are rendered by the Seller gratis. They are based on technical data which the Seller believes to be reliable, and are intended for professional use by persons having skill and know-how at their own discretion and risk. Seller assumes no responsibility for results obtained or damages incurred from their use by Buyer in whole or in part. Such recommendations, technical advice or services are not to be taken as a license to operate under or intended to suggest infringement of any existing patent.

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