TECHNICAL DATA SHEET

VITROPRIMER 157

MODIFIED VINYL PRIMER

DESCRIPTION

VITROPRIMER 157 is a fast drying and high solids vinyl modified primer. This pre-catalyzed primer is designed for coating interior wood furniture and other interior wood products. This primer is easy to sand with excellent filling and hiding characteristics. Typical applications include kitchen cabinets, vanities, chairs, office and household furniture.

PRODUCT DATA

Color	N/A	**VOC less exempts**	644.25 g/L	5.38 lb/gal
Solids % by Vol	21% ± 2%	**VOC actual**	598.40 g/L	4.99 lb/gal
Solids %by Wt	36% ± 2%	**Photochemical reactive**	No	
Density	1.05	**Flash Point (PM/CC)**	N/A	
Viscosity 23°C/73°F #4 Ford	55 ± 2%	**Shelf life**	6 months (at 15-25°C/59-77°F)	
Gloss(On Black glass @60°)	Flat	**Theo-coverage @1 mil dry**	272 Sq.Ft/gal	7 m^2/L

PREPARATION/APPLICATION

Working Temp >18°C/65°F surface, coating and air

Catalyzation N/A

Pot life N/A

Reducer Product can be applied without reduction. If reduction is needed to adjust drying or build, reduce 15-25% by volume with DX 180 THINNER (Medium), DX 195 THINNER (slow).

Film thickness Min 4 mil wet –Max 5 mil wet.

Suggested Topcoat UNILAC 100 WHITE, POLYACRIL 99 WHITE

Application

- Apply a full coat of VITROPRIMER 157 at 4.0 – 5.0 wet mils.
- Allow to dry. Sand with 240, 320 paper. A second coat of primer may be applied after sanding if needed for additional filling. Sand again before topcoating. Topcoat within 8 hours of sanding
- Topcoat – apply recommended topcoat at 4.0 - 5.0 mils wet
- Do not exceed 7.0 mils DFT for the total system.

Surface Preparation Wood surface must be clean, dry, free of grease and oil and finish sanded with 180 grit sandpaper to ensure optimum adhesion and coating performance properties. Moisture content of the wood should be between 6%-8%.

Use Directions For interior use only. Adjust viscosity and stir thoroughly before application to avoid variations application. Dry time can be directly impacted by many factors, including film thickness. Users are urged to test the system under shop conditions.

App equip. Conventional & HVLP Siphon Feed, Pressure Pot Systems and Airless/Air Assist Equipment.

Tinting Can be tinted up to 10% maximum with universal colorants 844.

Cleanup Clean tools/equipment immediately after use with T750 LORCHEM cleaner gun or a quality lacquer thinner or acetone. Always follow manufacturer's safety recommendations when using any solvent.

Standards This product meets KCMA and CKCA test requirements when used under recommended LORCHEM Topcoat.

DRYING TIMES

Method	Drying temperature.	Drying Time (@ 50%RH and thickness @ 4 mil WET)			
Air Drying	23°C/74°F	**Dust free time**	4-6 minutes	**Dry to sand**	45 minutes
		Dry to touch	20-30 minutes	**Dry to recoat**	45 minutes
		Dry to Handle	45 minutes	**Dry to stack**	6 hours
Force dry	45to 60°C/110-140°F	Minutes			

Note: Dry times are greatly affected by film build, porosity of substrate, air movement as well as heat and humidity. Minimum curing temperatures of 23°C/74°F must be maintained throughout curing cycle to achieve the film integrity as stated in product features.

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APPLICATION RECOMMENDATIONS

APPLICATION EQUIPMENT SETTINGS

Method of Application	Air Pressure (PSI)	Fluid Pressure (PSI)	TIP size (mm / inch)	Application Viscosity (#FORD 4)	Thickness Film (Mils)
Conventional spray	40-50	08-12	1.8-2/0,070-0,078	18-21	3-5
Airless Spray	10-18	300-600	0,28-0,33/0,011-0,012	18-21	3-5
HVLP	35-45	8-12	1.19-1,39/0,047-0,055	18-21	3-5

Note: All measurements and application equipment settings are based on application at a temperature of 23°C/74°F. Viscosity will vary depending on the temperature of the liquid. The above-mentioned application equipment recommendations are guidelines only. The noted settings are starting point recommendations and that adjustment to the settings and equipment may be needed to obtain the desired results. Please refer to your specific equipment manufacturer's recommendations for equipment set-up.

SPECIFICATIONS

- For interior use only.
- Must be agitated before and during using.
- This product should be thoroughly sanded within 4 hours of being applied. If the primer is not topcoated the same day, it should be resanded immediately before topcoating to insure optimum intercoat adhesion.
- Store at room temperature (under 25°C/ 80° F). Higher temperatures will reduce the storage life.
- Can be used under recommended LORCHEM Topcoat. Please contact your LORCHEM representative for system recommendations.
- Total film thickness of systems must not exceed 7.0 mils dry film because heavier films may show cracking tendency.

CAUTIONS

TESTING

Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

THESE PRODUCT ARE DESIGNED FOR INDUSTRIAL SHOP APPLICATION AND PROFESSIONAL USE ONLY

Thoroughly review Safety Data Sheet (SDS) for safety information and cautions prior to using this product. Please direct any questions or comments to your local representative.

PDS

Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling ,preparation and application which are not known or under our control, LORCHEM cannot make any warranties related to the product or the performance of the product. Moreover, we underline the fact that in industrial applications, a tolerance of 5% in the overall results is considered normal and is not caused by the quality of the product.

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