

EPOXY BONDING PRIMER



TECHNICAL DATA

VERDASHIELD PREMIUM EPOXY BONDING PRIMER & SEALER PCG1901-XX

DESCRIPTION AND USES

VerdaShield 1901 is a two component Ultra Premium White Primer, Sealer, and Bonder. It is a 100% bio-degradable and organic primer/sealer/bonder designed to solve many painting problems. It provides excellent adhesion, sealing and bonding on many hard-to-coat surfaces.

VerdaShield 1901 is suitable for use on wood, ferrous and non-ferrous metals, aluminum, stainless steel, plaster, glass, tile, fiberglass, and hardboard. It can be used for both interior and exterior applications and can be used with either epoxy, urethane, alkyd or latex topcoats. It is not recommended for use with topcoats such as lacquers. Because there are many types of surfaces, plastics, and composite materials, always test a small inconspicuous area first for adhesion and topcoat compatibility.

VerdaShield 1901 is not recommended for tubs, sinks or showers where hot or continuous water contact occurs. For extra corrosion protection on iron or steel, use a rust preventative primer. On extremely porous surfaces or severe staining types of wood, a second coat of 1901 may be required prior to application of the finish coat(s).

PRODUCTS

SKU	DESCRIPTION
11022	Gallon
11021	5 Gallon

PRODUCT APPLICATION

SURFACE PREPARATION

Surfaces must be clean, dry, sound, and free of dust, dirt, wax, polish, grease, oil, chalk, loose paint, and other contaminants. The surface should be sound and stable. Clean with a strong abrasive detergent, rinse completely and allow to thoroughly dry. For hard, glossy surfaces, dulling the surface with carbide sandpaper before applying 400 White is necessary to provide the best adhesion. Wiping the surface with xylene is recommended. Do not use solvents that leave an oily residue such as mineral spirits, paint thinner or turpentine.

WARNING: If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID

EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

PRODUCT APPLICATION (cont.)

APPLICATION

Use in a well-ventilated area when temperatures are between 50-100°F (10-38°C) and the relative humidity is less than 85%. 1901 White is ready to use from the can. 1900 White is thin, so thorough mixing is required to ensure pigment settling is re-dispersed before using. **DO NOT THIN.** Apply with a synthetic brush, roller, or airless sprayer. If applying with spray equipment, vapors can build up rapidly and may combust. **Vapors may travel to areas away from the work site and ignite. Use only with proper ventilation, where moving air will carry vapors outside.** Follow manufacturer's instructions when using spray equipment.

1901 White will dry quickly (10-20 minutes). Avoid excessive brushing or rolling. Work in small areas and apply evenly. If an area is missed, wait 10 minutes until the sealer has dried before touching up.

Note: Do not use as a primer over silicone caulk.

TINTING

1901 White can be tinted with up to two ounces of universal colorant per gallon. Do not exceed 2 oz. of tint per gallon.

DRY & RECOAT

Dry and recoat times are based on 70°F (21°C) and 50% relative humidity. Allow more time at cooler temperatures. Thicker coats will take longer to dry. Dries to the touch in 10-20 minutes and can be top-coated in 1-2 hours. Full hardness is achieved in 24 hours.

CLEANUP

Clean up brushes, rollers, tools, and spray equipment immediately with paint thinner or mineral spirits. Properly discard empty container.

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Verda Shield Logo

**VERDASHIELD PREMIUM
EPOXY BONDING PRIMER & SEALER
PCG1901-XX****PHYSICAL PROPERTIES**

1901 WHITE PRIMER SEALER BONDER		
Resin Type		Bio-Based
Pigment Type		Limestone
Solvents		Water
Weight	Per Gallon	10.2 lbs.
	Per Liter	1.23 g/l
Solids	By Weight	79.0%
	By Volume	55.0%
Volatile Organic Compounds		0.0 Lbs./gal.)
Recommended Dry Film Thickness (DFT) per Coat		220/Sq.Ft @ 4Mils DFT
Wet Film to Achieve DFT (unthinned material)		6.0 Mils
Practical Coverage at Recommended DFT (assumes 15% material loss)		187/Sq.Ft @ 4Mils Varies depending on porosity and type of surface
Dry Times based on 70-80°F (21-27°C) and 50% Relative Humidity	Touch	10-20 minutes
	Handle	1-2 hours
	Full Cure	7-14 days
Shelf Life		5 years
Flash Point		55°F (13°C)
Warning!		Do not ingest.
Safety Information		For additional information, see SDS

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