



JULY 2015

699 WOOD PRIMER

Air Dry Acrylic Lacquer Primer



Product Data

A single pack, spray applicable or brush applied, waterborne, fast drying acrylic lacquer primer.

- Environmentally friendly
- Fast drying
- Good adhesion to weathered, LOSP treated, unpainted wood and typical repaint substrates
- Smooth and silky feel
- Good stain blocking
- Excellent block-stack resistance
- Excellent sanding after a few hours
- Low VOC, low ammonia, formaldehyde-free, low odour
- Good flow and film build
- Excellent outdoor durability
- Ideally suited for spraying and drying during hot weather

Uses

Primer for exterior applications, including cladding. For interior applications, including doors, panelling and partitions.

Primed panels could be sanded and painted with decorative waterborne acrylic paints.

Colour Availability

- 87072 Off White
- 86724 Pink
- 86726 Grey
- 87411 BS5252 10B17 Beige

Packaging

Available 20L, 200L

Substrates and Surface Preparation

Wood, suitably conditioned LOSP timber, weathered timber.

Wood - Sand and dust down.

All new timber should be delivered in a clean dry condition. The timber should be free from physical defects, such as splinters, cracks woolly grains, machine marks and knot holes and also for other defects such as sap and tannin stains, and resin exudation from knots.

Moisture contents should be less than 15%.

Thinning and Clean Up

Thinning not normally required. Thin sparingly with water, if desired. Thinning is generally not required. However, up to 5% of water can be added to reduce the application viscosity to meet specific line requirement.

Clean gun and equipment with water.

Application

Do not apply paint if temperature is below 10°C or likely to fall below 10°C during the drying period.

Spray - conventional, airless or pressure pot.

Spray a single, double-header coat for sealer coat and 1-2 double-header coats for subsequent coats.

Vacuum coating - 90psi, and line speed 40-50 m/min.

Gloss

Flat (< 10/60°)

Viscosity

Supplied: 30 - 45s Ford 4 Cup @ 23°C

Package Viscosity: 60-65 KU

*some viscosity increase may occur over time as product ages, check viscosity prior to use.

Solids (%w/w)

58-62%

Drying

Times vary, depending on thickness, temperature and humidity.

Can be dried by IR radiation, 100-110°C for up to 5 sec.

Air dry. Touch dry in 30 minutes. Full hardness and resistance properties is usually achieved in 24 hours.

Note:

These times refer to normal drying conditions (25°C/50% rel. humidity). Under colder or more humid conditions, or if air circulation is poor, longer times may be necessary.

LOSP treated timber, if not sufficiently dried before application can severely inhibit the through dry.

Dry to Block Stacking

Breaking down of fillet should only be done when the primer is hard dry. Temperature and air movement through the stack will affect the time to hard dry. Minimum time is 24 hours but 3-5 days is usual depending on drying conditions.

Finishing Coats

The following procedure is recommended for finishing LOSP and Untreated Pine substrate that has been factory primed with PPG water based Wood Primers.

1. Exterior Applications (above ground):

- Ensure the primed timber is free from any dirt, oil or grease or other surface contaminants.
- Sand any primer defects. If the pre-primed timber has been exposed to the weather for more than 2 months it is advisable to lightly sand and remove any chalking from the timber surface.
- If the pre-primed substrate is showing any cracking or loss of adhesion then sand back to bare timber removing all damaged primer. Fill any cracks or holes with a suitable wood filler and once dried lightly sand to a smooth finish.
- Prime all filled areas and bare timber using a reputable brand Wood primer. Allow to dry according to the supplier recommendations.
- When using water based acrylic topcoat, apply two coats of a Premium brand Acrylic topcoat as per label directions.
- When using an oil based topcoat, for optimum performance, firstly apply a good quality undercoat followed by two coats of a Premium brand alkyd topcoat as per label directions.

2. Interior Applications (not exposed to outside weathering)

- Ensure the primed timber is free from any dirt, oil or grease or other surface contaminants.
- Sand any primer defects. If the pre-primed timber has been exposed to the weather for more than 2 months it is advisable to lightly sand and remove any chalking from the timber surface.
- If the pre-primed substrate is showing any cracking or loss of adhesion then sand back to bare timber removing all damaged primer. Fill any cracks or holes with a suitable wood filler and once dried lightly sand to a smooth finish.
- Prime all filled areas and bare timber using a reputable brand Wood primer. Allow to dry according to the supplier recommendations.
- Apply 1 or 2 coats of either a reputable brand oil based alkyd topcoat or water based acrylic topcoat as per label directions.

Safety Precautions

Read each component's material safety data sheet before use. Mixed material has hazards of each component. Safety precautions must be strictly followed during storage, handling and use.

Health & Safety

Avoid breathing vapour. Use with adequate ventilation. High concentrations of vapour may cause headache or nausea, affect the nervous system and respiration.

Do not use in the presence of naked flame or other sources of ignition. Store away from heat.

Wear safety glasses/goggles, an air supplied respirator or hood and PVC or nitrile chemical handling gloves.

If spraying in a confined area, a positive pressure air respirator should be worn.

Store/dispose of residues in accordance with local body regulations.

First Aid

If poisoning occurs, contact a doctor. The Poisons Information Centre may be of assistance - telephone 0800 POISON (NZ), 13-11-26 (Australia).

If swallowed, do NOT induce vomiting. Give a glass of water to drink and get medical attention urgently. If affected by vapour, get into fresh air immediately. If splashed into the eyes, flush them with copious quantities of clean water for 15 minutes and get urgent medical attention.

If splashed onto skin, wash with soap and water.

For further information, refer to the Material Safety Data Sheet for this product.

CAUTION:

Improper use and handling of this product can be hazardous to health.

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep spray mists and vapour concentrations within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

This product is to be used by those knowledgeable about proper application methods. PPG Industries makes no recommendation about the types of safety measure that may need to be adopted because these depend on application environment and space, of which PPG Industries is unaware and over which it has no control.

If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use the product.

Technical information given verbally or in writing is based on knowledge and research, given in good faith and believed to be reliable, but no guarantee of accuracy is made or implied. Since methods and conditions of use are beyond our control, all merchandise is sold and received subject to the condition that our liability whether express or implied for any defect in quality, or for any lack of fitness for the specified use thereof, is limited to the return of the purchase price if written claim is made within 14 days from date of delivery. It is recommended that the user makes his or her own tests to determine the suitability of the product for his own requirements. Freedom from patent restrictions is not implied.