

HYDRO-PRIMER
Updated Aug'18


Hydro-Primer is an environmental friendly water-based green product formulated to use as undercoat and primer for wood and metal substrates. This new breakthrough formulation contains low level of VOC (Volatile Organic Compound), therefore providing better comfort during and after painting.

Being a green product, it is ideal for use in eco-sensitive commercial and residential areas such as hospitals, schools, residential buildings and hotels. It is easy to apply and promotes better adhesion for both wood and metal substrates. This primer can be easily sanded for a smooth finishing.

Product Features:

- Environmental-friendly green paint for wood and metal substrate
- Low VOC
- Easy application
- Good adhesion

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Water based	Interior	Sheen	Wood and Metal	1 Litre, 5 Litres

Composition

Pigment	: Mainly Titanium Dioxide and Mineral Extender
Binder	: Alkyd / Acrylic Emulsion
Thinner	: Water

Technical Data

Drying Time	: Touch Dry : 30 minutes (Dependent on temperature and humidity)
	: Hard Dry : 1 hour (Dependent on temperature and humidity)
Recoating Time	: 2 – 3 hours (Dependent on temperature and humidity)
Dry Film Thickness	: 30 – 40 µm per coat (based on substrate condition)
No. of Coats	: 1 coat
Theoretical Coverage	: 9 – 11 m ² per litre per coat (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance)
Volume Solid	: ~ 40%
Shelf Life	: Up to 36 months in tight sealed container

Application Method

Brush / Roller	: Ready for use after thorough stirring. If thinning is necessary, recommended not more than 5% water.
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Recommended Coating System

Sealer / Primer	: Hydro-Primer	: 1 Coat
Top Coat	: Hydro-Gloss / Hydro-Matt	: 2 – 3 Coats

Surface Preparation
Wood

Wood must be dry and free from dirt, grease and other contaminants. Smoothen surface with sand paper, then clean off and dry.

Metal

Surface must be dry and free from dirt, grease and other contaminants. Ferrous substrate should be sanded or wire-brushed to remove millscalls and rust. Clean off dust and dry.

Scrap off any loose and flaking paint film. Sand and smoothen defective areas. The entire surface must be dry and free from dirt, grease and other contaminants. For the case of ferrous substrates, remove rust thoroughly. The scraped areas should be spot-primed. Light sanding on surface would ensure better subsequent intercoat adhesion.

Cleaning

Clean up equipment with water immediately after use.

Safety Precautions

- Keep container tightly closed and keep out of reach children or away from food and drink.
- Ensure good Ventilation during application and drying.
- When applying paint, it is advisable to wear eye protection.
- In case of contact with eye, rinse with plenty of water immediately and seek medical advice.
- Remove splashes from skin by using soap or water.
- Paint must always be stored in a cool place.
- When transporting paint, care must be taken. Always keep container in a secure upright position.
- Dispose any paint waste in accordance with the appropriate Environment Quality Regulations.

Note

* Theoretical Coverage is based on a mathematical formula

$$\left[\frac{\text{Volume Solid \%} \times 10}{\text{Dry Film Thickness}} \right] = \text{m}^2/\text{lit}/\text{coat}$$

and does not consider LOSS FACTORS.

Variables like porosity of substrate, application method, dilution ratio, dry film thickness, opacity and so on will affect the loss factor and can vary from 30% - 50% or even more.

The above information is given to the best of our knowledge based on laboratory tests and practical experience.

However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself.

We reserve the right to alter the given without prior notice.