

General Description:

HYDROPRIME 1000 is self cross-linking water based pigmented primer for interior / exterior wood coating. It is developed to provide a hard film but excellent sandability, high flexibility and environment friendly.

Major Uses:

HYDROPRIME 1000 is mainly use as a basecoat for all types of water based topcoat (PU/Acrylic dispersion), and for all wood surfaces, thick woods, veneer, MDF, Bamboo canes and the like.

Advantages:

- Excellent hardness
- Flexible
- Easy to sand
- Fast drying
- Non –toxic / Environment – friendly.

Characteristics and Physical Properties:

Appearance	White
Specific Gravity	1.089
Viscosity (25° C, FC # 4)	50-60 sec.
Gloss	Matt
Diluent	Water.
Application Condition	
Air Temperature	5 ~ 35°C
Relative humidity	Max. 85%
Application Method	Brush, Airless (or) Electrostatic Spray.
Drying Time (25°C)	
Dust Free	20 – 30min
To Touch	45 – 60 min.
To Recoat	1 - 2 hrs.
Sandable	2 - 3 hrs.
Coating Rate	8 – 10 m ² / li (coverage will vary depending on porosity of surface)

Recoating:

Two (2) coats maybe sufficient for ordinary finish, allow 1-2 hrs drying between coats, light sanding with 400 Or 600 grit sand paper is recommended when recoating time exceed 8 hrs and ensure to remove traces of wax.

Application Procedure:

- The mixture is ready for use and can be applied by brush or spray. Surface to be coated must be free of dirt and other contaminants. In the remaking of old woods, it is imperative to remove traces of wax, dirt and other oily matter to ensure a perfect adhesion of paints
- HYDROPRIME 1000 can be diluted with 5-10% with clean demineralised water, and allow to dry for an hour before sanding to remove any raise grain.
- Ensure that HYDROPRIME 1000 is applied uniformly and never leave unsealed surface to avoid moisture.

Storage:

Store in the dark, cool and dry places. Shelf life up to 15 months in closed container.

Chemical Resistance:

HYDROPRIME 1000 has a good resistance without additives. It is resistant to chemical agent stabilize from Level 1-B DIN 68861 part I. To improve the HYDROPRIME 1000 does not contain heavy metal and therefore, it can be use for toys in accordance with European Std'd EN 71-3 for Toy Security.

DRYING

The drying room temperature should not be lower than 15°C and the humidity must be less than 85°C.If the condition is beyond the required temperature, the possibility of slow drying smooth film and less chemical resistance. It is recommended for a good dry by force drying w/o humidity starting from normal temperature up to 30°C.

Physiological Hazards:

HYDROPRIME 1000 does not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. HYDROPRIME 1000 is harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advice.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

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