

## General Description:

HYDROSEAL 5000 is a self cross-linking water based sealer for interior / exterior wood coating. It is developed to provide a hard film but excellent sanding ability, high flexibility and environment friendly. HYDROSEAL 5000 meets the VOC content limit of Annex II, Phase II, Table A of European Directive 2004/42/EC:2004

## Major Uses:

HYDROSEAL 5000 is mainly use as a basecoat for all types of water based topcoat (PU/Acrylic). It is widely use as a sealer 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	Clear
Specific Gravity	1.045
Viscosity (25 <sup>o</sup> C, FC # 4)	35-40 sec.
VOC	129 g/l
Gloss	Matt
Diluent	Water.
Application Condition:	
Air Temperature	5 ~ 35 <sup>o</sup> C
Relative humidity	Max. 85%
Application Method	Brush, Conventional or Automatic Spray.
Drying Time (25 <sup>o</sup> C)	
Dust Free	20 – 30min
To Touch	45 – 60 min.
To Recoat	2 – 3 hrs.
Piling	24 – 36 hrs.
Coating Rate	8 – 10 m <sup>2</sup> /liter (coverage will vary depending on the porosity of surface)

## Recoating:

Two (2) coats maybe sufficient for ordinary finish, allow two(2) hrs drying between coats, light sanding with 400 Or 600 grit sand paper is recommended

## 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
- HYDROSEAL 5000 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 HYDROSEAL 5000 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:

HYDROSEAL 5000 has a good resistance without additives. It is resistant to chemical agent stabilize from Level 1-B DIN 68861 part I. To improve the chemical resistance and hardness, add 0.5 – 1.0 % of Catalyst.

HYDROSEAL 5000 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<sup>o</sup>C and the humidity must be less than 85<sup>o</sup>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<sup>o</sup>C.

## Physiological Hazards:

HYDROSEAL 5000 does not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. HYDROSEAL 5000 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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