



# HYDROTUFF 5500

## General Description:

HYDROTUFF 5500 is a mono – component water – based polyurethane for interior woodcoating. It is developed to provide a hard resistant film with excellent abrasion and high flexibility and environment-friendly.

## Major Uses:

It is best recommended for coating floor surfaces, furnitures, turn pieces, bamboo canes and the like. HYDROTUFF is available in a satin and glossy finish, which gives an excellent smoothness and opacity.

## Advantages:

- Excellent hardness
- Flexible
- Non –toxic / Environment – friendly.
- Easy to clean
- Fast Drying.

## Characteristics and Physical Properties:

Appearance	Clear
Specific Gravity	1.03
Viscosity (25 <sup>o</sup> C, FC # 4)	45 Sec.
Gloss	Matt/Semi/Gloss
Application Condition Air Temperature Relative humidity	5 ~ 35 <sup>o</sup> C Max. 85%
Application Method	Brush, Airless (or) Electrostatic Spray.
Drying Time (25 <sup>o</sup> C) Dust Free To Touch To Recoat Piling	20 – 30min. 45 – 60 min. 2 – 3 hrs. 24 – 36 hrs.
Coating Rate	8 – 12 m <sup>2</sup> / lit/ (coverage will vary depending on porosity of surface)
Recoating	Two coats may be sufficient for ordinary finish, allow 2 hrs. drying between coats, light sanding with 400 ~ 600 mesh sand paper is recommended before subsequent coat when recoating time exceeds 8 hours

*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.*

## 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
- First coat 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 HYDROTUFF 5500 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:

HYDROTUFF 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.

HYDROTUFF 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 temp. 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 req'd 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 temp. up to 30<sup>o</sup>C.

## PILING

Due to the thermoplasticity of the water-based resin, the drying during piling is delicate that may result to a different

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effect. However, force drying plus Catalyst will improve the risk of piling.

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