

## General Description:

HYDROTUFF (ANTI BACTERIAL) is a mono – component water – based acrylic dispersion for interior/exterior wood coating. It is developed to provide a hard resistant film with excellent abrasion, film transparency, flow properties, high flexibility and environment-friendly. It contains anti bacterial component suitable for the protection against algal and fungal attack for surface coatings.

## Major Uses:

It is best recommended for coating floor surfaces, furniture, turn pieces, bamboo canes and the like. HYDROTUFF (ANTI BACTERIAL) with its active ingredients has been proven through extensive lab testings according to the methods SM 022/023 against common bacteria.

## Advantages:

- Excellent hardness
- Flexible
- Non –toxic / Environment – friendly.

## Characteristics and Physical Properties:

Appearance	Clear
Specific Gravity	1.20
Viscosity (25 <sup>o</sup> C, FC # 4)	45-60 Sec.
Gloss	20/ 30/50
Application Condition	
Air Temperature	5 ~ 35 <sup>o</sup> C
Relative humidity	Max. 85%
Application Method	Airless, Electrostatic 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.
VOC	132 g/li
Coating Rate	7– 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 and 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
- 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 (ANTI BACTERIAL) 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 stabilize from Level 1-B DIN 68861 part I. HYDROTUFF (ANTI BACTERIAL) 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 temperature 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 effect. However, force drying plus Catalyst will improve the risk of piling.

## Cleaning of Tools:

All tools should be cleaned with water.

## Packing:

Available in 1Usg. and 5 Usg. Pail

## Physiological Hazards:



See Safety Indication Sheet.

*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.*

## MAS PAINTS & CHEMICAL INDUSTRY

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