

General Description:

HYDROTUFF 5500 is mono component water – based polyurethane/acrylic dispersion for interior/exterior wood coating. It is developed to provide a hard resistant film with excellent abrasion and high flexibility and environment-friendly. HYDROTUFF 5500 meets the VOC content limit of Annex II, Phase II, Table A of European Directive 2004/42/EC:2004

Major Uses:

It is best recommended for coating wooden surfaces, furniture, turn pieces, bamboo canes and the like. It has exceptional floor protection for light to moderate traffic. HYDROTUFF 5500 is available in matt to glossy finish which gives an excellent smoothness and opacity.

Advantages:

- Excellent hardness
- Flexible
- Non-toxic / Environment-friendly.
- Fast Drying.

Characteristics and Physical Properties:

Appearance	Clear
Specific Gravity	1.00 kg/L
Viscosity (25 ^o C, FC # 4)	80-100 Sec.
Gloss	10/30/50/80
Application Condition: Air temperature Relative humidity	5 ~ 35 ^o C 85% max.
Application Method	Brush, Conventional or Automatic Spray
Drying time: Dust free To touch Piling up	20-30 min. 45-60 min. 24-36 hrs.
VOC	122 g/L
Coating rate	8-10 m ² /L (coverage will vary depending on the porosity of the surface)
Recoating	Two (2) coats may be sufficient for ordinary finish, Light sanding with 400~600 grit sandpaper 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 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 stabilize from Level 1-B DIN 68861-part 1. HYDROTUFF 5500 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 room temperature should not be lower than 15^oC and the humidity must be less than 85^oC. If the condition is beyond the required temperature, the possibility of slow drying 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^oC.

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. 20 liter 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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