

Technical Data Sheet

AU0450/13 HYDROPLUS WATERBORNE WHITE PRIMER FOR MDF FOR SPRAY APPLICATIONS

DATE 26 May 21

Colours	13 white
Area of use	flat parts, frames, skirting, doors
Method of use	airmix, airless, conventional spray gun
Thinning	ready to use. Thin with tap water if needed

Technical characteristics

* Solids content (%):	60 ± 1
* Specific gravity (kg/l):	1.40 ± 0,03
* Viscosity DIN 4 - 20°C (sec.):	90 ± 10

General characteristics

* Recommended application weight (g/m²):	100 - 250 per coat
* Number of coats:	max 3
* Shelf-life (months):	15

AU0450/13 can be applied by spray directly onto MDF or Masonite substrates. It has a high pigment and solids content and provides excellent substrate filling.

This product is designed for drying at room temperature, but as for all waterborne products, drying time is strongly influenced by ambient conditions. We recommend ambient temperature above 15°C, good air circulation and relative humidity below 65%.

This product already has a limited thermoplasticity, making both manual and automated sanding is possible.

On these grounds the addition of crosslinker may result in an excessive rigidity of the product which may cause crackings. Stearate paper is recommended for sanding. Excessive removal of the basecoat is to be avoided, because it would cause MDF fiber raising with the waterborne topcoat.

We recommend sanding with slowly-rotating rolls and removing the fibers raised by the first coat with a soft sanding before applying the subsequent coats.

After sanding, this product can be overcoated with any Hydroplus waterborne pigmented product.

AU0450/13 may be tinted with XA2006/XX pigmented pastes for waterborne products up to max. 4% for colour-matching purposes.

N.B.: DATA PROVIDED ON THIS TECHNICAL DATA SHEET CORRESPOND TO OUR BEST KNOWLEDGE AND EXPERIENCE. WE ASSURE CONSISTENCY ON THE CHEMICAL-PHYSICAL CHARACTERISTICS OF OUR PRODUCTS, WITHIN THE TOLERANCE LIMITS SPECIFIED ON OUR TECHNICAL DATA SHEETS. RESPONSIBILITY OF FINAL RESULT OF PRODUCT APPLICATION IS FULLY UP TO THE USERS, WHO SHALL MAKE SURE THAT THE PRODUCT CORRESPONDS TO THEIR OWN NEEDS WITH REGARD TO APPLICATION SYSTEM, TO SUBSTRATES USED AS WELL AS TO WORKING CONDITIONS.

WARNING: ACTUAL VISCOSITY OF SOME PIGMENTED AND/OR THIXOTROPIC PRODUCTS MAY DIFFER FROM THE VISCOSITY SHOWN ON THE TECHNICAL DATA SHEET. DIFFERENCES ARE TO BE REGARDED AS ACCEPTABLE IF WITHIN 30% MAXIMUM.

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Cap. Soc. Euro 2.626.182 I.V. - Codice Mecc. Bo 014531

Company under the direction and coordination of The Sherwin-Williams Company, USA

Warning

Due to weather variations, viscosity may vary from that shown on this data sheet. Thinning up to 10% with water may be necessary, without compromising the product's properties. We recommend adding water gradually – no more than 1% at a time – as a minor dose of water may result in a significant viscosity variation.

Special instructions

- During application, the temperature of the product, the substrate and the environment must be no lower than 15°C.
- Coating residues (washing water, booth water, used coating) must be disposed of in accordance with current legislation. Do not pour residues down the drain.
- In view of the wide variety of materials used for manufacturing wooden products, when switching from a solvent-based to a waterborne painting system it is always advisable to contact your suppliers' technical departments to check whether your equipment and components are appropriate or whether more suitable types exist. In particular, check: electrostatic guns, pumps, seals, silicones, glues, booth treatment water products, packaging materials, putties, sandpaper, etc.

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