

Technical Data Sheet

AU0454/XX HYDROPLUS WATERBORNE WHITE PRIMER FOR MDF FOR SPRAY APPLICATIONS

Supersedes previous issue dated 10/12/03

DATE 01/06/05

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 (%):	61 ± 1
Specific gravity (kg/l):	1.450 ± 0.030
Viscosity (DIN 4 at 20°C):	70" ± 5"

General characteristics

Drying time (120 g/m² at 20°C and 65% relative humidity):	Dust free	20'
	Touch dry	25'
	Overcoatable	1 hour
	Sandable	4 hours
	Stackable	8 hours
Recommended application weight (g/m²):	80-180 per coat	
Number of coats:	Max. 3	
Shelf-life (months):	15	

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

AU0454/XX can be applied by spray directly onto MDF or Masonite substrates. It has a high pigment and solids content and provides excellent substrate filling, ensuring a uniform colour even at application weights of 100-120 g/m².

This product is designed for industrial applications using tunnel drying with forced ventilation and air temperature higher than 30°C. With this kind of drying it is stackable after a very short time. It can also be dried at ambient 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 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. To prevent this, we recommend sanding with slowly-rotating rolls or removing the fibers raised by the first base coat with a quick sanding before applying the subsequent coats.

After sanding, AU0454/XX can be overcoated with any Hydroplus waterborne pigmented product. AU0454/XX may be tinted with XA2006/XX pigmented pastes for waterborne products up to max. 4% for colour-matching purposes.

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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