

## Technical Data Sheet

### AUL3179/00 HYDROPLUS WATERBORNE BASECOAT FOR INTERIORS

Supersedes previous issue dated 04.06.12

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Colours	00 clear
Sector of use:	Turned parts, frames, assembled furniture, panels, stairs, chairs
Method of use:	Spray: conventional, airmix, airless and electrostatic spray guns (provided equipment suitable for waterborne products is used)
Thinning:	Ready to use, if necessary thin with water

#### Technical characteristics

Solids content (%):	30 ± 2
Specific gravity (kg/l):	1.03 ± 0.03
Brookfield viscosity (mPa s):	16000 ± 4500 (RV4, 5 rpm, 20°C)
pH:	8,4 ± 1,0

#### General characteristics

Drying time (100 g/m² at 20°C, 65% relative humidity):	Dust free:	30 min
	Touch dry:	60 min
	Sanding:	4 hrs
	Stacking:	24 hrs
Recommended application weight (g/m²):	100 ÷ 200 per coat	
Spreading rate (m²/kg):	6 ÷ 12	
Number of coats:	1 ÷ 3 max.	
Interval between coats:	2 – 4 hrs	
Shelf-life (months):	15	

AUL3179/00 is a one-pack waterborne basecoat designed for interiors.

The product is characterized by high resistance to sagging, high transparency, good grain warming, high build and excellent sanding. AUL3179/00 is the ideal product for all that woodwork with a complex geometry, implying extensive manual work such as turned parts, assembled furniture, etc.

Closed pore or semi-closed pore can be achieved with just 2 coats of 100 - 150 g/m² each (2 hrs drying time before application of the second coat).

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

Under proper drying conditions (20°C, 65% relative humidity with efficient air flow) AUL3179/00 is sandable after 3 - 4 hours. Lower temperatures and higher relative humidity imply a longer drying time.

When a higher build is required, a third coat can be applied after at least 4 hours; in this case, sanding can take place only after 6 - 8 hours.

The formulation of AUL3179/00 fulfils IKEA IOS-MAT-0066 chemical composition requirements.

### Sanding of the basecoat

We suggest 240 - 320 grit sand papers. For best results, use stearate sand paper which provide much higher efficiency than conventional sand paper. Ask your abrasives supplier for information on specific papers for waterborne products.

### Application of topcoat

AUL3179/00 basecoat can be overcoated with any of the HYDROPLUS waterborne topcoats or self-sealers.

### Cleaning information

Wash the application equipment with warm water.

### Warning

- Do not store the product at temperatures lower than 5°C.
- During application, keep the product, the substrate and the workplace at a temperature of at least 15°C.
- Coating residues (washing water, booth water, used coating) must be disposed of in accordance with current legislation. Do not pour residues down drains.
- In view of the wide variety of materials used for manufacturing wooden products, when switching from a solvent-based to a waterborne coating 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 water treatment products, packaging materials, fillers, sandpaper, etc.

For further information on all stages of furniture coating using waterborne products, consult our technical booklet "GENERAL GUIDELINES ON THE USE OF WATERBORNE COATINGS FOR INTERIORS".

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.