

Sayerlack is a brand of
The Sherwin-Williams Company
SAYERLACK S.r.l. - Con Unico Socio

 Via del Fifico, 12 - 40065 Pianoro (BO) - Italia - C.P. 18
 tel. +39 051 770511 - fax +39 051 777437
 www.sayerlack.it - www.lineabluevernici.it

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 R.E.A. n. 313180 - Cap. Soc. Euro 2.626.182 I.V. - Codice Mecc. Bo 014531
 Società soggetta a direzione e coordinamento di The Sherwin-Williams Company, USA

TECHNICAL DATA SHEET

supersedes previous issue dated 25/01/09

AU0493/00
**HYDROPLUS TWO-PACK WATERBORNE BARRIER BASECOAT
 FOR INTERIORS – CLEAR**

Areas of use:	Doors, panelling		
Method of use:	Spray: conventional, airmix, airless and electrostatic spray guns.		
Mixing procedure:		by weight (kg)	by volume (lt)
Part A:	AU0493/00	100	100
Part B (hardener):	AH1550/00	20	20
Thinner:	Water	10-15	10-15

Technical characteristics

Pot life at 20°C:	5 hours
Solids content (%):	29 ± 2
Specific gravity (kg/l):	1.015 ± 0.010
Viscosity (DIN 6 at 20°C):	16" ± 3"

General characteristics

Recommended application weight (g/m²):	from 80 to 130 per coat		
Number of coats:	max. 3		
Drying time (100 g/m² at 20°C and 65% relative humidity):	dust free	50'	
	touch dry	90'	
	overcoatable	3 hours	
	sandable	6 hours	
	stackable	24 hours	
Shelf-life (months):	15		

AU0493/00 is a two-pack waterborne barrier basecoat designed for interiors woodworks. Its special formulation prevents air bubbles from forming when coating laminated substrates.

Its features are the following:

- high transparency
- excellent wood reviving properties resulting in an appreciable depth effect
- excellent resistance to shrinkage
- excellent insulating properties
- good sandability (stearate sandpapers are recommended)

Alternative hardeners

- **AH1545/00:** harden at 15%. AH1545/00 has a high reactivity, a pot-life of approximately 3 hours, and lower build and vertical hold. Mostly recommended for open pore systems and for low spreading rate horizontal application.
- **AH1550/00:** harden at 20% and thin at 10-15% with water. AH1550/00 has a pot-life of approximately 5 hours and gives the final blend the utmost build.

Substrate preparation

To obtain the best final result, a preliminary sanding of the substrate is always recommended (150-180 grit sandpaper) in order to remove macroscopic woodworking imperfections and to increase timber porousness. This will ensure an excellent adhesion of the coating film.

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Application

By spray, both horizontally and vertically.

Drying

Open or semi-close pore coatings can be obtained by applying only two coats of 80-140 g/m² each without in-between sanding and with an interval of at least 3 hours between the coats in good drying and air recirculation conditions (25°C and 65% relative humidity). Under these circumstances AU0493/00 can be sanded after 5-6 hours. Temperatures below 25°C and relative humidity exceeding 65% cause drying to slow down. In order to reach a higher build, it is recommended to wait at least 6 hours before applying the third coat and 8-10 hours before sanding.

Sanding of the basecoat

We suggest 240-320 grit sandpapers. For best results, use stearate sandpaper, which ensures better dusting-off and much higher efficiency than conventional sandpaper. Ask your abrasives supplier for information on specific papers for waterborne products.

Application of the topcoat

AU0493/00 waterborne barrier basecoat can be overcoated with any of the HYDROPLUS waterborne coatings for interiors, either using a waterborne basecoat after the first coat of AU0493/00 (used as a primer) or using a waterborne topcoat after two coats of AU0493/00 (used as primer and basecoat).

General instructions

- Store the product in rooms where the temperature does not fall below 5°C.
- During application, keep the product, the substrate and the room 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 treatment water 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".