SAYERLACK®
INNOVATIVE WOOD SOLUTIONS

COMPANY WITH
MANAGEMENT SYSTEM
- UNI EN ISO 9001 -
- UNI EN ISO 14001 -

Sherwin-Williams Italy S.r.l. – con unico socio
Via del Fiffo, 12 - 40065 Pianoro (BO) - Italia - C.P. 18
tel. +39 051 770 511 - fax +39 051 777 437
www.sayerlack.com
Cod. Fisc. e Reg. Impr. Bo 08866930152
P. IVA: IT 00494251200 - R.E.A. n. 313180
Cap. Soc. Euro 2.626.182 I.V. - Codice Mecc. Bo 014531

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

Technical **Data Sheet**

AT16XX/NN HYDROPLUS WATERBORNE CLEAR CONVERTER,TOPCOAT FOR INTERIORS

Supersedes previous issue dated 06.07.17 *DATE 11 July 2019*

Versions and colours:	Clear 10, 20, 30 gloss
Area of use:	Paneling for kitchens and bathrooms,doors
Method of use:	Spray (conventional, airmix, airless, provided equipment suitable for waterborne products is used).
Thinning:	Ready to use. If thinning is required, use max. 5% drinking water.

Technical characteristics

Solids content (%):	35 ± 2
Specific gravity (kg/l):	1.020 ± 0.030
Viscosity (DIN 8 at 20°C):	35'' ± 3''

General characteristics

Drying time (120 g/m² at 20°C):	Dust free: 40' Touch dry: 80' Stackable: 16 hours
Application weight (g/m²):	from 110 to 180
Number of coats:	1
Shelf-life (months):	12

AT16XXNN is a one-pack waterborne matt white topcoat suitable for coating wooden products for indoor use which ensures excellent hardness and very good scratch resistance. These performance allow you to use it for paint also manufactured for bathrooms and kitchens.

The good tixotropy and hardness, coupled with an exceptional even matting and smoothness, make AT16XX/NN a viable alternative for all requirements in all sectors.

Method of use

AT16XX/NN can be tinted with XA2006/XX waterborne pastes in a ratio of 920/80 cc

Substrate preparation

With one or more coats of Hydroplus waterbased basecoat or polyester basecoat properly dried and sanded (minimum 320 grit paper)

COMPANY WITH
MANAGEMENT SYSTEM
- UNI EN ISO 9001 -
- UNI EN ISO 14001 -

Sherwin-Williams Italy S.r.l. – con unico socio
Via del Fiffo, 12 - 40065 Pianoro (BO) - Italia - C.P. 18
tel. +39 051 770 511 - fax +39 051 777 437
www.sayerlack.com
Cod. Fisc. e Reg. Impr. Bo 08866930152
P. IVA: IT 00494251200 - R.E.A. n. 313180
Cap. Soc. Euro 2.626.182 I.V. - Codice Mecc. Bo 014531

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

Chemical resistance and cross-linker

AT16XX/NN can be used as it is. However, to further improve chemical resistance, add slowly while stirring 1% cross-linker XA4080/00, premixed 1:1 with water and used immediately.

The use of XA4080/00 is particularly recommended for flat parts subjected to hard wear or contact with chemicals. Such performances are further improved by double crosslinking with:

- 1% XA4080/00 (previously mixed 1:1 with water)
- 3% XA4095/00

The above shall be added one after the other following the above order, slowly and under stirring.

XA4080/ 00 increase drying speed, chemical resistance and surface hardness;

XA4095/00 usually increases the adhesion on surfaces other than wood such as melamine paper; given the wide variety of substrates of this kind is always advisable to make a preliminary test.

Drying

Drying of waterborne products must take place at temperatures not below 15°C and at a relative humidity preferably not exceeding 85%. Out of these limits, there is a slowing down of the drying and/or formation of a less hard and resistant film. It is always advisable for drying to be forced, with air previously de-humidified and warm (20 - 30°C).

Stacking

The natural thermoplasticity of the resins used in waterbased coatings, makes them more delicate when stacked. Moreover, depending on how the coated items have dried, different results may be achieved.

A strong ventilation with moderately hot air, a low humidity rate, a correct spreading rate and the use of XA4080/00 crosslinkers in the topcoat may significantly reduce time and risks linked to stacking.

The following recommendations always apply:

- stack the coated items at least 16 hours after coating
- always used a proper packaging material between the panels
- when possible, stack vertically

N.B.:

On wood species, even those species commonly used for pigmented topcoat application, the basecoat may dissolve coloured substances in the wood and cause yellowing. This colour is liable to float to the surface even after the application of more than several coats of waterborne topcoat.

White basecoat must therefore be used only on MDF (but check the quality of the MDF first) or as a coloured basecoat for pigmented topcoats in colours other than white.

COMPANY WITH
MANAGEMENT SYSTEM
- UNI EN ISO 9001 -
- UNI EN ISO 14001 -

Sherwin-Williams Italy S.r.l. – con unico socio
Via del Fiffo, 12 - 40065 Pianoro (BO) - Italia - C.P. 18
tel. +39 051 770 511 - fax +39 051 777 437
www.sayerlack.com
Cod. Fisc. e Reg. Impr. Bo 08866930152
P. IVA: IT 00494251200 - R.E.A. n. 313180
Cap. Soc. Euro 2.626.182 I.V. - Codice Mecc. Bo 014531

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

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".