

TECHNICAL DATA SHEET

AT9610/XX
SCRATCH-RESISTANT TOPCOAT/CONVERTER FOR INTERIORS

Versions and colours:	AT9610/NN	Neutral	10 gloss
	AT9610/BB	White	10 gloss
Area of use:	Flat parts, turned parts, picture frames, furniture, skirting board, matchboards.		
Method of use:	Spray.		
Thinning:	Ready to use. If thinning is required, use max. 5% drinking water.		

Technical characteristics

Solids content (%):	AT9610/NN:	35 ± 2
	AT9610/BB:	42 ± 2
Specific gravity (kg/l):	AT9610/NN:	1.060 ± 0.030
	AT9610/BB:	1.200 ± 0.030
Viscosity (DIN 8 at 20°C):	AT9610/XX:	20" ± 1"
	AT9610/BB:	28" ± 1"

General characteristics

Drying time (120 g/m ² at 20°C):	Dust free:	30'
	Touch dry:	70'
	Stackable:	24 hours
Application weight (g/m ²):	from 80 to 140	
Spreading capacity (m ² /kg):	from 7 to 12	
Number of coats:	1	
Shelf-life (months):	15	

AT9610/XX is the first one-pack waterborne topcoat of the HD System. It ensures excellent hardness and good chemical resistance and is suitable for coating wooden products for indoor use which

Method of use

AT9610/XX can be tinted with XA2006/XX waterborne pastes, in a ratio of 920/80 cc for full color tones formulated with the clear base, up to a maximum of 4% for the light shades formulated with the white pigmented base, as shown on WOODCOLOR-PLUS formulation book.

Substrate preparation

With one or more coats of Hydroplus waterbased basecoat or polyester basecoat properly dried and sanded.

Chemical resistance and cross-linker

AT9610/XX can be used as it is to coat all wood surfaces for interiors. However, to further improve chemical resistance, add slowly while stirring 0.5-1% cross-linker XA 4080, premixed 1:1 with water and used immediately.

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).

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AT9610/XX**SCRATCH-RESISTANT TOPCOAT/CONVERTER FOR INTERIORS****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 XA 4080 crosslinker in the topcoat may significantly reduce time and risks linked to stacking.

The following recommendations always apply:

- stack the coated items at least 24 hours after coating
- always used a proper packaging material between the panels
- when possible, stack vertically

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".