

# Technical Data Sheet

## AV19\*\*/XX WATERBORNE TOPCOAT FOR GLASS

Supersedes previous issue dated 22.09.17

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Version:	00 Clear      10, 40, 85 gloss BB White      40 gloss
Area of use:	glass substrates
Method of use:	airmix, airless, conventional spray gun
Mixing procedure:	3% of XA4095/00 well stirred: Especially with the high gloss version it must be added under mechanical stirring.

### Technical characteristics

Solids content (%):	AV19**/00      32 ± 2 AV1940/BB      41 ± 2
Specific gravity (kg/l):	AV19**/00      1.030 ± 0.030 AV1940/BB      1.140 ± 0.030
Viscosity (DIN 6 at 20°C):	40" ± 2"

### General characteristics

Recommended application weight (g/m²):	from 100 to 120
Number of coats:	1
Drying time (100 g/m² at 20°C):	touch dry      2 hours through dry      8 hours stackable      24 hours
Shelf-life (months):	15

AV19\*\*/XX is a waterborne topcoat specially designed for glass. Once crosslinked with 3% XA4095/00, it ensures excellent adhesion on all glass surfaces for indoor use.

Thanks to its special formulation, AV19\*\*/XX ensures following characteristics:

- excellent surface hardness
- good deaeration
- good vertical hold
- excellent flow
- excellent resistance to thermic variations

### Substrate preparation

Clean and degrease the surface well with alcohol before applying AV19\*\*/XX.

### Instructions for use

AV19\*\*/XX can be tinted with XA2006/XX waterborne pastes in a volumetric ratio of 920:80cc to obtain full colour shades from a clear base, up to 4% for pastel colors starting from pigmented white, as described in our WOODCOLOR-PLUS formulation book.

### Application

By spray (airless, airmix or conventional) both horizontally and vertically.

Following are some guidelines:

1. Conventional spray: 1.9 mm nozzle, pressure: 3 - 4 bar
2. Airmix: 11 mm nozzle, pressure of coating: 80 - 100 bar; air pressure: 1 - 2 bar
3. Airless: 11 mm nozzle, pressure of coating: 150 - 200 bar

If application devices are not in perfect conditions (defective gaskets, too high pressure, etc.) they may cause major defects in the coatings film (e.g. air bubbles).

We recommend the use of 2-head pumps in order to reduce waste and to improve the quality of the coating applied in terms of resistance to stacking and to chemicals.

### Drying

Waterborne products must be dried in rooms with temperatures no lower than 15°C and relative humidity no greater than 85%. Outside this range drying is slower and/or the film is formed with poorer hardness and chemical resistance. For good drying it is advisable to use a forced flow of dry air initially at room temperature and subsequently at 20 - 30°C.

### Warning

- Do not store the product at temperatures lower than 5°C or higher than 35°C..
- Coating residues 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. In particular, check: electrostatic guns, pumps, seals, silicones, glues, booth treatment water products and packaging materials.
- Once the can has been opened, the waterborne protective wood stay may rot because of the attack of bacteria, moulds and fungi commonly present in the air. This phenomenon is easily detectable because of the bad smell, increase of viscosity, mould on the surface and change of color. This problem may take place also in case of products left for a long time in vessels for dipping or flow-coating application, mainly during summertime. The use of drinking water, a frequent cleaning of the plant (possibly with disinfectant solutions) and the periodic addition of XA4051/00 bactericide (0.1 - 0.2%) increase preservation of the products used. As a disinfectant use a 2% solution in water of XA4051/00. As to application method relating to XA4051/00, please refer to its technical data sheet.

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.