

## Technical Data Sheet

AF72\*\*/00

HYDROPLUS: WATERBORNE  
CLEAR SELF-SEALER FOR INTERIORS

Supersedes previous issue dated 04/04/08

DATE 06/29/11

Gloss:	05, 10, 20, 30, 40, 60, 70, 90 gloss
Area of use:	Doors, furniture, turned parts, frames, skirting boards, wall panelling, stairs
Method of use:	Conventional, airmix, airless, electrostatic spray gun (provided that any equipment used is suitable for waterborne products)
Mixing procedure:	Ready to use. If necessary, thin with drinking water.

### Technical characteristics

Solids content (%):	31 ± 2
Specific gravity (kg/l):	1.030 ± 0.030
Viscosity (DIN 4 at 20°C):	05, 10, 20, 30, 40, 60 gloss: 150" 90 gloss: 80"

### Substrate preparation

With waterborne stains from AC1810/XX or AP1221/XX series, which can be added, if required, with small percentages of AC0600/XX stains for more colour depth.

### General characteristics

Number of coats:	2
Recommended application weight (g/m <sup>2</sup> ):	Min. 80, Max. 140 per coat
Drying time (100 g/m <sup>2</sup> at 20°C):	Dust free 30' Touch dry 60' Sandable: 4 hours Stackable: 24 hours
Forced drying (100 g/m <sup>2</sup> at 35°C):	Flash-off: 15' Hot air 35°C: 45' Cooling: 15'
Shelf-life (months):	15

**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.

COMPANY WITH  
MANAGEMENT SYSTEM  
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- UNI EN ISO 14001 -

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

AF72\*\*/00 is a clear self-sealer for interiors which ensures good chemical resistance, hardness, transparency and resistance to thermoplasticity.

Thanks to the contents of acrylic/polyurethane resins and to its properties of excellent pore marking, it is particularly suitable for two-coat systems for open pore.

AF72\*\*/00 may be tinted with small quantities of waterbased stains from series AC0600/XX or AC1810/XX for more colour depth of the finishing.

Good vertical hold and hardness, together with good chemical resistance, make AF72\*\*/00 suitable for application on house stairs; in this case, we recommend crosslinking AF72\*\*/00 with 2% of a blend of XA4080/00 and water at 50%. For best chemical-physical properties, also add 3% of XA4095/00 for double crosslinking. Stir the blend well, possibly under mechanical stirring, and do not exceed recommended dosage.

Abrasion resistance tests carried out in our laboratories according to the regulation ASTM D 4060-81 using a Taber Abraser equipment with CS 17 grinding wheel, have resulted into medium to high levels of abrasion resistance.

After addition of the crosslinker, viscosity of AF72\*\*/00 increases slightly during a 7-day period; as a result, we recommend its use in 1:1 blend with fresh product. The crosslinker shall be added again to the blend before use.

The possibility of brush application after 10% thinning with drinking water make AF72\*\*/00 a multi-purpose high quality coating which can be used also in those cases in which spray equipment cannot be used.

### Use on toys

AF72\*\*/00 is free from heavy metals and complies with the requirements stated by the European Rule EN 71-3 (Toys Safety – Migration of some elements).

For further information, please refer to "GENERAL GUIDELINES ON USE OF WATERBORNE COATINGS FOR INTERIORS".

### Special instructions

- Keep from freezing. Do not store at temperature below 5°C.
- Do not apply at temperature below 15°C.
- Stir the product well before application in order to disperse any possible sedimentation. This operation is essential to ensure even matting on the substrate.
- Application residues, including washing water and booth water must be disposed of according with the rules in force. Do not pour into drains.
- Because of the variety of materials used to manufacture wood furniture, when moving to a waterborne system from a solvent based system, it is very important to check with the supplier the suitability of equipment and components used, with particular attention to electrostatic guns, pumps, seals, silicones, glues, products for booth water treatment, packing materials, sanding papers, putties, etc.
- The use of coating devices not in perfect order (defective gaskets, too high pressures) or of pumps with low capacity may cause major defects in the coating film (air bubbles).
- Once the can has been opened, the coating may rot because of the attack of bacteria commonly present in the air. This phenomenon is easily detectable because of the bad smell and by an increase of viscosity of the product stored in the can. Avoid recovering the used coating in fresh product cans and also to leave them open, particularly during summertime. The addition of 0.1÷0.5% of XA4051/00 increases the product's preservation (but only as a preventive action).

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