

TECHNICAL DATA SHEET

supersedes previous issue dated 03/10/06

AF 72**
HYDROPLUS: WATERBORNE CLEAR SELF-SEALER FOR INTERIORS

Gloss:	05, 10, 20, 30, 40, 60, 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):	100" ± 5"

Substrate preparation

With waterborne stains from AC1400/XX or AP1221/XX series.

General characteristics

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

AF 72** is a clear self-sealer for interiors which ensures an excellent 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.

AF 72** may be tinted with small quantities of waterbased stains from series AC 600/XX or AC 1400/XX.

The good vertical hold and hardness, together with the excellent chemical resistance, make AF 72** suitable for application on stairs, where foot traffic is not particularly intense. 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.

Moreover, AF 72** exceeds the 1 B level of resistance to chemical agents as per DIN 68861 part 1.

The addition of 1% of XA4080 crosslinker is advised when the coated surface is to be exposed to conditions of particular wear and contact with chemicals such as furniture for bars, kitchens, bathrooms, etc. After addition of the crosslinker, viscosity of AF72** increases slightly during a 7day 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.

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The possibility of brush application after 10% thinning with drinking water make AF 72** a multipurpose high quality coating which can be used also in those cases in which spray equipment cannot be used.

Use on toys

AF 72**/XX 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.
- 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.