

TECHNICAL DATA SHEET

AF72/00**
1K / 2K CLEAR SELF-SEAL TOPCOAT (WARM-TONE)
AF7205 Clear (5 sheen)
AF7290 Clear (90 sheen)
AF7220 Clear (20 sheen)
AF7240 Clear (40 sheen)

Versions	5, 20, 40, 90
Color:	Natural Warm-Tone
Area of use:	Doors, furniture, turned parts, frames, skirting boards, wall paneling, 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 tap water up to 5-10% - Spray If necessary, thin with tap water up to *10% - Brush If retarder is needed, use up to 5% WR7025 For improved performance options - *See cross-linking guidance below

Technical characteristics

Solids content (%): As packaged	Weight Solids 31 ± 2 / Volume Solids 25 ± 2
Specific gravity (kg/l): As packaged	1.030 ± 0.030
Viscosity (Zahn #3 at 68°F)*:	42 ± 5 seconds
Recommended wet film thickness:	3.0 -7.0 mils
Spread Rate:	401 sq. ft./gal @ 1.0 mil DFT, No loss
Pot Life:	*Up to 7 days if optional cross-linker is used
Drying time (at 68°F):	Dust free 30 minutes Touch dry 60 minutes Sandable 4 Hours Stackable 24 hours
Forced drying:	Flash off 15 minutes Hot air at 120°F 45 minutes
VOC (Theoretical as packaged, maximum):	0.55 lb./gal, 66 g/L (less exempt solvents)
VHAPS (Theoretical as packaged, maximum):	0.16 lb./lb. of solids
Shelf-life:	15 months, unopened. After long periods of storage, always check homogeneity and stir well before use to eliminate and possible sediment.

*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 considered acceptable if within 30%.

AF72/00 is a 1K / 2K Clear Self-Seal Topcoat** clear self-sealer for interiors which ensures good chemical resistance, hardness, transparency, and resistance to thermo-plasticity. Thanks to its properties of excellent pore marking, it is particularly suitable for two-coat systems for open pore.

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Substrate preparation

Wood – New Work (interior only): Must be clean, dry and finish sanded. Substrate should be free of grease, oil, dirt, fingerprints, and any contamination. Moisture content of wood should be 6-8%.

Previously finished wood (interior only): Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work

Prime: Prime wood with white polyurethane primer such as TU0205/13 Polyurethane Basecoat White

Testing: The information, data, and recommendations set forth in this Product Data Sheet are based upon test results believed to be reliable. However, due to the wide variety of substrates, substrate properties, surface preparation methods, equipment and tools, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

*Chemical resistance and crosslinker

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 Performance

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.

*Product Maintenance after Catalyzation

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.

*Instructions for Brush Application

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.

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General Considerations

- Keep from freezing. Do not store at temperature below 5°C / 41°F.
- Do not apply at temperature below 15°C / 59°F.
- Stir the product well before application 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.

FOR INDUSTRIAL SHOP APPLICATION ONLY

Thoroughly review product label and Safety Data Sheet (SDS) for safety information and cautions prior to using this product. To obtain the most current version of the Environmental Data Sheet (EDS), Product Data Sheet (PDS), or Safety Data Sheet (SDS) please visit www.paintdocs.com. Please direct any questions or comments to your local M.L. Campbell® Distribution Partner, M.L. Campbell® Sales Manager or contact our technical service line at 1-800-364-1359

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