

# TECHNICAL DATA SHEET

**AU0420/00**
**1K WATERBORNE CLEAR BASECOAT (SEALER)**
**AU0420**

Area of use:	Turned parts, frames, assembled furniture, panels, stairs, chairs
Method of use:	Spray: conventional, airmix, airless and electrostatic spray guns (provided equipment suitable for waterborne products is used)
Mixing procedure:	Ready to use. If necessary, thin with tap water up to 5-10%. If retarder is needed, use up to 5% WR7025

**Technical characteristics**

Solids content (%): As packaged	Weight Solids 32 ± 2 / Volume Solids 28 ± 2
Specific gravity (kg/l): As packaged	1.030 ± 0.030
Viscosity: (Brookfield - RV4, 5 rpm, 20°C/68°F)	18000 ± 5000
pH:	8.4 ± 1.0
Recommended wet film thickness:	4.0 – 7.0
Spread Rate:	449 sq. ft./gal @ 1.0 mil DFT, No loss
Number of coats:	1-3 max 2-4 hours between coats
Drying time (at 68°F):	Dust free 30 minutes Touch dry 60 minutes To Recoat 2 Hours Sandable 4 Hours Stackable 24 hours
VOC (Theoretical as packaged, maximum):	1.05 lb./gal, 126 g/L (less exempt solvents)
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%.

**AU0420/00 1K Waterborne Clear Basecoat / Sealer** is a one-pack waterborne basecoat designed for interiors. The product is characterized by high resistance to sagging, high transparency, good grain warming, high build, and excellent sanding. AU0420/00 is the ideal product for all that woodwork with a complex geometry, implying extensive manual work such as turned parts, assembled furniture, etc. Closed pore or semi-closed pore can be achieved with just 2 coats (2 hrs. drying time before application of the second coat).

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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

**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

## Application of basecoat

Under proper drying conditions (20°C / 68°F, 65% relative humidity with efficient air flow) AU0420/00 is sandable after 3 - 4 hours. Lower temperatures and higher relative humidity imply a longer drying time.

When a higher build is required, a third coat can be applied after at least 4 hours; in this case, sanding can take place only after 6 - 8 hours.

## Sanding of the basecoat

We suggest 240 - 320 grit sandpapers. For best results, use stearate sandpaper which provide much higher efficiency than conventional sandpaper. Ask your abrasives supplier for information on specific papers for waterborne products.

## Application of topcoat

AU0420/00 basecoat can be overcoated with any of the HYDROPLUS waterborne topcoats or self-sealers.

## Cleaning information

Wash the application equipment with warm water.

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## General Considerations

- Do not store the product at temperatures lower than 5°C / 41°F.
- During application, keep the product, the substrate, and the workplace at a temperature of at least 15°C / 59°F.
- 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. Check: electrostatic guns, pumps, seals, silicones, glues, booth water treatment products, packaging materials, fillers, sandpaper, etc.

## 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](http://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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