M.L. Campbell 224
Catherine Street
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Tel: 1(800) 364-1359
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Product Data Sheet

Product: **ARROYO™ 1K Waterborne Clear Topcoat / Tint Base**

Code(s):

V140950 Super Flat	V140952 Dull	V140954 Satin	V140958 Gloss

Description: **ARROYO™ 1K Waterborne Clear Topcoat / Tint Base** is a single-component hybrid WB acrylic-polyurethane system for interior use. Arroyo 1K Clear has an exceptional self-sealing, film-build and film formation properties resulting in an extremely smooth, durable finish. Arroyo is GREENGUARD® certified for low indoor emissions and VOC. Arroyo passes all KCMA tests and AWI System 2, Pre-catalyzed Lacquer and System 8, Water Base Acrylic crosslinking chemical and moisture resistance tests.

Uses: For use on kitchen and bathroom cabinets, dormitory, household, and office furniture. Also, for use on toys, paneling, and display fixtures.

Other Products: W41259 Aqua-Fi™ Universal Primer or W140959 Arroyo™ 1K Under coater, V140959 Arroyo™ 1K Sealer, C38277 WB Arroyo® Catalyst (optional)
For stain requirements, see M.L. Campbell WoodSong II Series Water Borne Stains and Dyes.

Physical Properties (packaged)	
Weight per Gallon:	8.60 ± 0.25 lbs./gal
Viscosity - Ford #4 at 77°F/25°C:	30-40” Ford 4
% Solids - by Weight:	32.50 ± 3
% Solids - by Volume:	28.50 ± 3
Theoretical Coverage at 1 Mil Dry: (Coverage figures DO NOT INCLUDE spray loss. Also allow for surface irregularities and porosity of wood surface to be finished.)	457 ± 25 sq. ft. per gallon
Flash Point (PMCC):	Not Combustible
Color:	Milky White
Sheen (60° Glossmeter):	Super Flat 5±2, Dull 15±2, Satin 35±2, Gloss 80+
Packaged VOC:	185-210 g/l (1.54-1.75 lbs./gallon)
Photochemically Reactive:	No

Surface Preparation	
New Work:	Remove any dirt, grease, or other construction contamination from surface. Sand wood as required. No sealer is required.
Old Work:	Remove any dirt, grease, or other contamination from surface. Sand well to improve adhesion.

Reduction

Product does not require reducing but can be thinned with distilled water (use very small amounts at a time). Thinning should be limited to 3%. Over thinning can cause sags due to high solids content of product.

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Mixing and Catalyzing (Optional)

To improve product performance, ***Arroyo® 1K Waterborne Clear Topcoat*** can be catalyzed with the Water Borne 2K Catalyst **C38277-DP** at the ratio of 100 parts base product to five parts catalyst (5% catalyst by volume or weight). Weigh or measure catalyst then pour into product **while stirring**.
The C38277-DP Catalyst should be added to Arroyo 1K products following similar mixing instructions as for the 2K products (see PDS for C3870X/W3870X). **It is recommended to allow a 5 -10 minute "sweat-in" time after addition of catalyst for best results.** Once catalyzed the product has **up to 8 hours pot-life** under normal conditions. Viscosity will not be impacted by the addition of catalyst, even after 8 hours. Be sure to dispose of any catalyzed material safely after exceeding pot life.

Application Procedure

Sand wood using 220 grit sandpaper, as required. If water borne stain is used, it is recommended to lightly scuff sand dry stained surface with fine scotch-brite before applying ***Arroyo 1K Waterborne Clear Topcoat*** to reduce possible grain raise from stain. ***Arroyo 1K Waterborne Clear Topcoat*** can be used as a self-sealing system or ***V140959 Arroyo™ 1K Sealer*** can be used as a first sealer coat. Apply ***2 coats (3 if self-seal)*** of ***Arroyo 1K Waterborne Clear Topcoat*** at 3-5 wet mils per coat. Sand with 320, Fre-cut (no fill) type sandpaper between first and second coat. Sand with 320 and then very fine scotch brite between second and third coat. Always sand just prior to recoating. The total dry film build should be at least 3 mils and should not exceed 6 dry mils.
Refer to spray equipment suppliers, recommendations for fine lacquer atomizing spray guns, air caps, and fluid needles.

Note: Hot spray application is not recommended. If hot spray equipment is used, temperature settings should never be over 110°F or 43° C. Apply using only stainless steel or plastic spray equipment. If aluminum equipment is used, some oxidation may occur. Before application material, surface and air temperatures should be a minimum of 65° F or 18° C.

Equipment Clean Up

- All equipment should be flushed with warm water immediately after use.
- A subsequent flush with alcohol will ensure all moisture is removed from the system.

Drying Times (at 77° F or 25° C)

Dry to Touch:	20-25 minutes
Sanding Dry:	30-45 minutes
Stacking Dry:	6 - 8 hours

Packaging/Shipping

Available Units:	Gallons and Pails.
Shipping Caution:	Restrictions for shipments of freezable materials.

Shelf Life and Storage

- Protect from freezing and other extreme temperatures. Product does pass freeze/thaw stability test but must be checked before use to ensure quality.
- Store in airtight containers.
- Shelf life is 18 months.

DOT Classification

Paint and Related Material	NOIBN	Protect from Freezing

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Caution
• **FOR INDUSTRIAL SHOP APPLICATION ONLY.** • Use only after all safety information is understood. • Refer to the Safety Data Sheet (SDS) or Material Safety Data Sheet (MSDS) for additional information.

Testing
Due to the wide variety of substrates, surface preparation methods, application methods, and environments, customers should test the complete system for adhesion and compatibility under their conditions prior to full-scale application.

Notes
The information, rating, and options stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application that are not known or under our control, M.L. Campbell cannot make any warranties as to the end result. *Thank you for using M.L. Campbell Wood Finishing products.*