

## Product Information (PI) Sheet

**Product:** ARROYO<sup>®</sup> 2K WB POLYURETHANE CLEAR TC

<b>Code(s):</b>	<b>C38071</b> Flat	<b>C38072</b> Dull	<b>C38074</b> Satin	<b>C38078</b> Gloss
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**Description:** ARROYO<sup>®</sup> 2K WB POLYURETHANE CLEAR TOPCOAT is a very durable GREENGUARD certified acrylic water-borne polyurethane formulas that are easy to use and provide a low VOC, self-sealing, HAPs- free, yellowing resistant, two-component Clear Topcoat.

ARROYO<sup>®</sup> 2K WB POLYURETHANE CLEAR TOPCOAT is made with unique WB resins compatible with a stir-in water-borne compatible cross-linking catalyst (**C38277-DP**) for outstanding chemical, moisture resistance, and produces early hardness development.

**Uses:** For use on interior kitchen and bathroom cabinets, dormitory, household and office furniture, tabletops, commercial millwork and display fixtures.

**Other Products:** W41259 Aqu-Fi<sup>™</sup> Universal Primer or W140959 Arroyo<sup>®</sup> 1K Undercoater, V140959 Arroyo<sup>®</sup> 1K Sealer, C38277-DP 2K WB Polyurethane Catalyst  
For stain requirements, see M.L. Campbell WoodSong II Series Water Borne Stains and Dyes.

Physical Properties (packaged)		
	Product (Packaged)	Blended Product (Catalyzed)
<b>Weight per Gallon:</b>	8.61 ± 0.2	8.64 ± 0.2
<b>Viscosity - Ford #4 at 77°F/25°C:</b>	30-40	30-40
<b>% Solids - by Weight:</b>	33.0 ± 2.0	34.78 ± 2.0
<b>% Solids - by Volume:</b>	30.5 ± 2.0	31.85 ± 2.0
<b>Theoretical Coverage at 1 Mil Dry:</b> (Coverage figures DO NOT INCLUDE spray loss. Also allow for surface irregularities and porosity of wood surface to be finished.)	489 ± 5 sq. ft. per gallon	510 ± 5 sq. ft. per gallon
<b>Flash Point (PMCC):</b>	499°F (259°C) ± 2%	482 °F (250°C) ± 2%
<b>Color:</b>	Milky White	
<b>Sheen (60° Glossmeter):</b>	Flat 7-10, Dull 15±2, Satin 35±2, Gloss 90+	
<b>Packaged VOC:</b>	137.5 g/l (1.14 lbs./gal)	148.5 g/l (1.24 lbs./gallon)
<b>Photochemically Reactive:</b>	No	No

### Surface Preparation

<b>New Work:</b>	Remove any dirt, grease or other construction contamination from surface. Sand wood as required – 220 grit, scotch brite water borne stain.
<b>Old Work:</b>	Remove any dirt, grease, or other contamination from surface. Sand well to improve adhesion.

### Mixing and Catalyzing

**ARROYO® 2K WB POLYURETHANE CLEAR TOPCOAT** must be catalyzed with **2K WB Polyurethane 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**. **Let the mixture sit with a loosely covered lid for a minimum of 5-10 mins to release CO2 created during catalyzation and avoiding air entrapment. The viscosity of the product should now be thin enough to spray.** Once catalyzed the product has **up to 4 hours pot-life** under normal conditions. If spraying your final coat when near the end of the pot-life you may want to filter the product before spraying to avoid any contamination caused by previous handling of product or exposure to open air.

### Reduction

No reduction is required. After catalyzing, product viscosity may drop 5-10 seconds. If required, small amounts of clean water may be used for specific equipment. Over-thinning due to the high solids nature of this product can cause sags. Thinning should be limited to 5% maximum.

### 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® 2K WB POLYURETHANE CLEAR TOPCOAT** to reduce possible grain raise from stain. **ARROYO® 2K WB POLYURETHANE 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 WB Polarion 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.

To obtain the highest level of chemical resistance, let product cure for a minimum of 7 to 10 days before use in a harsh chemical environment, i.e. bar or tabletop use.

**Refer to spray equipment suppliers, recommendations for fine lacquer atomizing spray guns, air caps, and fluid needles.**

**Note:** Hot spray application is not recommended. Apply using only stainless steel or plastic spray equipment. Before application, surface and air temperature should be a minimum of 65° F or 18° C.

### Equipment Clean Up

- All equipment should be flushed with warm water, water/alcohol or Gun & Line Cleaner Concentrate GLC10 immediately after use.
- A subsequent flush with alcohol will ensure all moisture is removed from equipment.
- Catalyzed material mixture can be left to sit out and dry solid, then throw out.

### Drying Times (at 77° F or 25° C)

<b>Dry to Touch:</b>	40-45 minutes
<b>Sanding Dry:</b>	60+ minutes
<b>Stacking Dry:</b>	10 Hours Minimum

**Packaging/Shipping**

**Available Units:** Gallons and Pails. (Restrictions for shipments of freezable materials.)

**Shelf Life and Storage**

- Freezable – Store in airtight containers.
- Protect from temperature extremes.
- Shelf life is 18 months

**B/L Description**

Paint and related material

NOIBN

Protect from freezing

**Caution**

- **THESE PRODUCTS ARE DESIGNED FOR SHOP APPLICATION AND PROFESSIONAL USE ONLY.**
- Use only after all safety information is understood.
- Refer to the 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.*