

# POLARION

2K ACRYLIC POLYURETHANE









M.L. Campbell® **POLARION**<sup>TM</sup> 2K Acrylic Polyurethane is the latest advancement in high-performance wood finishes. This durable interior polyurethane system consists of primers, sealers, tintable pigment and clear topcoats with a full range of sheens. **POLARION**<sup>TM</sup> is easy to use and manage utilizing just one catalyst and mix ratio. This simple combination makes **POLARION**<sup>TM</sup> ideal for use on conference tables, bar tops, millwork, furniture, cabinets or any interior wood surface that requires a hard, durable finish.

## POLARION 2K ACRYLIC POLYURETHANE OFFERS UNIQUE ADVANTAGES:

- Superior scratch/mar, chemical and moisture resistance
- Non-yellowing, acrylic polyurethane technology
- · High solids that aid in coating edge retention
- Fast dry times and extended pot life to aid in production
- 5:1 catalyst mix ratio with no solvent reduction required
- Excellent sanding and polishing characteristics

# POLARION 2K ACRYLIC POLYURETHANE PERFORMANCE CHARACTERISTICS:

POLARION has undergone rigorous quality testing to verify performance and application characteristics. The M.L. Campbell® laboratory has formulated POLARION 2K Acrylic Polyurethane to meet or exceed the required performance level established by AWI and KCMA for finishes. POLARION 2K Acrylic Polyurethane has been tested utilizing the following AWI, ASTM and KCMA test methods: 5=Excellent, 4=Very Good, 3=Good, 2=Fair, 1=Poor.

## Print Resistance

Purpose: Test the ability of the finish to be print-resistant. No print after 24-hour dry time. POLARION 2K Acrylic Polyurethane has an Excellent rating of 5.

#### **Hot and Cold Check Resistance**

Purpose: Test the ability of the finish to withstand hot and cold cycles for prolonged periods. Passes 20 cycles. POLARION 2K Acrylic Polyurethane has an Excellent rating of 5.

#### Cross Hatch

Purpose: Test the ability of the finish to adhere to various substrates and/or finishes. POLARION 2K Acrylic Polyurethane has an Excellent rating of 5.

#### Blocking

Purpose: Test the ability of the finish to withstand any finish defects from stacking or packing after 6-hour drying time. POLARION 2K Acrylic Polyurethane has an Excellent rating of 5.

#### Wet Heat Resistance

Purpose: Test the ability of the finish to withstand high heat for long periods. POLARION 2K Acrylic Polyurethane has an Excellent rating of 5.

#### Edge Soak

Purpose: Test a coating's ability to perform in relation to resistance to detergent and water. POLARION 2K Acrylic Polyurethane has an Excellent rating of 5.

## **Pencil Hardness**

Purpose: Test the coating's hardness in terms of pencil leads of known hardness. POLARION 2K Acrylic Polyurethane has an Excellent rating of H. Rating Scale: 3B-2B-B-HB-F-H-2H

# Scientific Equipment and Furniture Association (SEFA 8-W-2010):

Polarion Clear and White pass the stringent requirements for Wood Laboratory-grade furniture, casework, shelving and tables as set out by the Scientific Equipment & Furniture Association. These include Chemical Spot test and Hot Water test.

## **Chemical Resistance Evaluation**

Purpose: Meets AWI specifications for polyurethane chemical resistance. Meets KCMA specifications for withstanding substances typically found in kitchens and bathrooms. Contact and dry time of each chemical is in accordance with AWI and KCMA test procedures.

Vinegar	Excellent	rating (	of 5
Lemon Juice	Excellent	rating (	of 5
Orange Juice	Excellent	rating (	of 5
Grape Juice	Excellent	rating (	of 5
Ketchup	Excellent	rating (	of 5
Coffee	Excellent	rating (	of 5
Olive Oil	Excellent	rating (	of 5
Boiling Water	Excellent	rating (	of 5
Cold Water	Excellent	rating (	of 5
Household Ammonia	Excellent	rating (	of 5
VM&P Naphtha, 24 hrs	Excellent	rating (	of 5
Isopropyl Alcohol	Excellent	rating (	of 5
Wine	Excellent	rating (	of 5
Windex	Excellent	rating (	of 5
409 Cleaner	Excellent	rating (	of 5
Lysol	Excellent	rating (	of 5
33% Sulfuric Acid			
77% Sulfuric Acid (Clear) V	ery Good	rating (	of 4
77% Sulfuric Acid (Pigmented)	Good	rating (	of 3
28% Ammonium Hydroxide	Excellent	rating (	of 5
Gasoline	Excellent	rating (	of 5
Murphy's Oil Soap	Excellent	rating (	of 5
Vodka 100 Proof	Excellent	rating (	of 5
1% Detergent	Excellent	rating (	of 5
10% TSP	Excellent	rating (	of 5
Ethanol/Water	Excellent	rating (	of 5
Mustard	Excellent	rating (	of 5
Acetone			

Distributed by:							

