PKF7200 Series ZENITH™ Waterborne Pre-catalyzed Lacquers

**PRODUCT NUMBERS**
- PKC7209 – Gloss
- PKF7202 – Satin
- PKF7206 – Semi-Gloss
- PKF7201 – Matte
- PKF7204 – Soft Floss

**DESCRIPTION/USES**
Zenith™ Waterborne Pre-catalyzed Lacquer is a single component, high performance waterborne coating designed for finishing kitchen and bathroom cabinetry, fine furniture, architectural millwork and many other interior wood applications. It has been formulated with a proprietary blend of Valspar self-crosslinking resins to yield a finish that is extremely durable and meets tough KCMA standards. This product is designed to be used as a self-seal system and has excellent sanding properties.

**PHYSICAL PROPERTIES**
- **Viscosity:** 14-18” #2 Zahn at 25°C (~77°F)
- **Weight Solids:** 35±2%
- **Volume Solids:** 30±2%
- **Weight / Gallon:** 8.73lbs/gal
- **Theoretical Coverage:** 511 ft/gal @ 1 mil dry
- **Flash Point:** 107°C (~225°F) Closed Cup
- **Specific Gravity:** 1.03
- **Air Quality Information**
  - **VOC:** 0.45lbs/gal of Product
  - **AIM VOC:** 141g/l
  - **VOC Ratio:** 0.15lb VOC/lb solid
  - **VHAP:** 0.01lb VHAP/lb solid
  - **WHMIS:** D2B, D2A

**PRODUCT ADVANTAGES**
- HAPs free/Ultra-Low VOC
- Formaldehyde/Isocyanate Free
- Very low odor
- Outstanding clarity and UV resistance
- Water cleanup
- Passes all KCMA performance standards
- Ready to spray and self-sealing
- Outstanding flow and leveling characteristics
- Fast dry to sand and recoat times
- Superior scratch, impact and mar resistance

**COMPANION PRODUCTS**
- Zenith™ Waterborne stains and glazes
- Zenith™ Waterborne Basecoats

**OTHER INFORMATION**
- **Air Dry**
  - To Sand/Recoat: 30-60’ at 26°C (~78°F) 50% RH
- **Force Dry**
  - To Flash: 10’ Flash
  - To Bake: 15’ at 54°C (~130°F)
  - Shelf Life: 24 months from date of manufacture
  - Catalyzation: n/a
  - Pot-Life: n/a
  - Reduction: Ready to spray. Use water if necessary
  - Retarder: YXT0700

**Application Equipment:**
Use only equipment with plastic, stainless steel, or Teflon coated valves and parts.

**Recommended Tip Sizes:**
- Conventional Air: 0.070-0.086
- HVLP: 0.070-0.086
- Airless: 10-15 thousandths
- Air Assisted Airless: 11-15 thousandths

**Note:** All information provided is typical (as formulated) and will not represent exact values for every product. For specific Air Quality Data for each product, VOC reports are available upon request.

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## FINISHING RECOMMENDATIONS

### SURFACE PREPARATION

**Wood Preparation:** For best results, maple and birch should be sanded using 180 grit silicon carbide sandpaper (minimum) before continuing with finishing procedures. Other substrates should be sanded appropriately before finishing. Wood should be verified as clean and dust free with moisture content of 6–8% prior to finishing. Proper sanding and preparation of the substrate is critical to achieving consistent results.

**Ambient Conditions:** All dry times listed are as tested under ideal indoor environmental conditions of 26°C (~78°F) with relative humidity not exceeding 50%. These products are recommended for use under temperature conditions of 12–32°C (~55–90°F) and when relative humidity is below 50% during application and drying time. Low temperatures, poor air circulation or high humidity will extend dry times. **Valspar strongly recommends against use of these products if temperatures of air or surface to be coated are below 15°C (~60°F) or below the dew point. Abnormal conditions of temperature or humidity may adversely affect product performance.**

### APPLICATON

**DO NOT SHAKE!** Before using, mix product by hand, or if using mechanical agitation such as an air mixer or drill, mix at slow to moderate speed until there is no material on the bottom of the container. Do not mix with other finishing systems or deviate from these finishing recommendations. Valspar will not be held liable for finish failures resulting from the mixing of products or deviations from finishing recommendations. Sanding should be completed immediately prior to the application of any additional coats.

1) **Stain:** If desired, stain substrate with Valspar ZENITH™ Waterborne Wiping or Spray Stains, or other approved Valspar colour system. Refer to Technical Data Sheet for detailed use instructions. Allow stain to dry thoroughly.

2) **Finish:** PKF720X Series ZENITH™ Waterborne Pre-catalyzed Lacquers are self-sealing. Choose the appropriate sheen from the series, and agitate well before applying. Verify the surface is clean and dust free. **DO NOT SHAKE!** Stir thoroughly before use and occasionally during use. If using an air mixer or pneumatic drill, run on low speed. Apply by spray only, using Conventional Air, HVLP, Airless, or Air Assisted Airless equipment. Apply at a rate of 3-4 wet mils per coat.

If additional coats are required, wait a minimum of 30 minutes between applications. Sand with 240–320 grit stearated, sandpaper before recoating.

If reduction is necessary, use water to thin product. See Physical Properties portion of this document for additional details. In the event of blushing or blistering, add Valspar YXT0700 Zenith Retarder to extend dry time.

**IMPORTANT NOTE:** **System’s total dry film build should not exceed 4 mils. A higher build may result in a film breakdown or reduction in performance.**

### CLEAN-UP

Clean equipment with warm water. If coating has dried, Acetone may be required to remove dried film. Keep container closed when not in use to avoid skinning. Do not transfer contents to other containers for storage or disposal. In case of spillage, absorb with inert material such as sand or kitty litter. Dispose of empty cans or unused portion in accordance with local state and federal regulations.

### STORAGE

Store in a cool, dry place. **DO NOT FREEZE!** Product should be stored in temperatures between 50°-110° F. Close all containers after use. Do not store near heat or sparks. Spills should be cleaned up with non-sparking tools. [See the product MSDS](#) for complete safety information.

### WARNING

Always pre-test the system on your substrate and under your line conditions to verify suitability to the application and avoid potential need for costly refinishing. All dry times listed are as tested under ideal indoor environmental conditions of 26°C (78°F) with relative humidity not exceeding 50%. These products are recommended for use under temperature conditions of 12°-32° C (~55–90°F) and when relative humidity is below 50% during application and drying time. Low temperatures, poor air circulation or high humidity will extend dry times. **Valspar strongly recommends against use of these products if temperatures of air, material, or surface to be coated are below 12CF (55°F) or below the dew point. Abnormal conditions of temperature or humidity may adversely affect product performance.** Please contact your authorized Valspar Wood Finishes distributor for additional product use recommendations and finishing guidance.

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