

TECHNICAL DATA SHEET

PRODUCT NUMBER

PKC7509-Gloss PKF7502-Satin
PKF7504-Soft Gloss PKF7501-Matte

COMPANION PRODUCTS

Zenith™ Waterborne stains and glazes
Zenith™ Waterborne Basecoats
Zenith™ Universal Amber Sealer-PKS7200

DESCRIPTION/USES

Zenith™ Waterborne Conversion Varnish is a part of a new generation of high performance waterborne coatings. This coating yields a high solids finish that is extremely durable, has excellent household chemical resistance, and passes all KCMA (Kitchen Cabinet Manufacturers Association) performance requirements when properly applied and cured. It is ideal for kitchen and bathroom cabinets, office furniture, architectural millwork, and store fixtures. This product is designed as a self-seal system and has excellent sanding properties. This product is designed for professional application only. For Wood Substrates Only.

PRODUCT ADVANTAGES

- HAP's free/Ultra-Low VOC
- Formaldehyde/Isocyanate Free
- Very low odor
- Outstanding UV resistance
- Water cleanup
- High Solids

APPLICATION FEATURES

- Ready to spray and self-sealing
- Excellent flow and leveling characteristics
- Fast dry to sand and recoat times
- Superior scratch, impact and mar resistance
- Should be catalyzed with CXC7500 if additional chemical and moisture resistance is desired

PRECAUTIONS

These products are recommended for professional application and are designed for interior use only. Always pre-test the system on your substrate and under your line conditions to verify suitability to the application and to avoid potential need for costly refinishing. Valspar Wood Finishes products are designed to protect and enhance the natural beauty of wood, but cannot eliminate natural discoloration or deterioration of wood as it ages.

Additional notes:

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.

PHYSICAL PROPERTIES (objective specifications)

Viscosity: 14-18 Sec EZ ZAHN #3 @ 77°F
Weight Solids: 36.99-38.8%
Volume Solids: 33.74-34.67%
Weight/Gallon: 8.59-8.73 lbs/gal¹
Theoretical Coverage: 541.3-556.2 ft/gal @1 mil dry
Flash Point: 210°F Closed Cup

Air Quality Information:

VOC: 0.48lbs/gal of Product
AIM VOC: 137.41-140.32 g/l
VOC Ratio: 0.14-0.15 (lbVOC/lb solid)¹
VHAP: 0.0 lb VHAP/lb solid-HAPs Free
Photochemically Reactive: No

Dry Times (78°F, 50%RH):

Air Dry

To Touch/Handle: 20-25 minutes
To Sand/Recoat: 40-60 minutes
To Stack: 12-24 hours

Force Dry

To Flash: 8-10 minutes
To Bake: 15 minutes @ 130°F
Cool Down: 10 minutes ambient air
To Stack: After after cool down

Shelf life: 2 years from the manufacturing date

Catalyst: Product should be catalyzed with CXC7500 if additional chemical and moisture resistance is desired. Catalyst Ratio: 7oz of CXC7500 per gal (5% by volume). Max VOC after adding catalyst is 275 g/l or 2.3 lbs per gallon. *

Pot life once catalyzed: 3 days

Reduction: No thinning is recommended.

Retarder: If needed to adjust dry time, use Zenith™ Waterborne Retarder YXT0700 at a rate of 1-5 oz (1-4%) max per gal. Max VOC after recommended addition is 275 g/l or 2.3 lbs per gallon. *

Application Equipment:

Apply by spray only, using Conventional Air, HVLP, Airless, or Air Assisted Airless 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.

*As allowable within regulatory compliance requirements

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. **UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.

FINISHING RECOMMENDATIONS

SURFACE PREPARATION

General: Surface must be clean and dust free with moisture content of 6-8% prior to finishing. Remove all dirt, dust, wax and wood marks. Proper sanding and preparation of the wood is critical to achieving consistent results.

New Wood: Finish sand surface (150-180 grit) and remove all sanding dust.

Painted or Varnished Wood: Remove all paint or varnish then follow new wood instructions.

MIXING

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.

APPLICATION

General: Always pre-test the system on your substrate to verify suitability of the application.

If staining, use an approved Valspar Stain and let dry per the directions on the Technical Data Sheet for the stain you choose. DO NOT SHAKE! Stir thoroughly before use and occasionally during use. If using an air mixer or drill, run on low speed. If additional chemical and moisture resistance is desired this product may be catalyzed at a rate of 7 oz of CXC7500 per gallon. Catalyst must be mixed in thoroughly before applying. 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. Sand between coats with 240-320 grit, no fill sandpaper. Remove sanding dust before applying the next coat. This finish must be sanded between coats for proper adhesion. DO NOT APPLY more than 4 coats at 3-4 wet mils per coat. Maximum film thickness of the total coating system MUST NOT EXCEED 6 dry mils.

Drying Time:

Dry to touch: 20-25 minutes

Dry to sand and recoat: 40-60 minutes (depending on ambient conditions).

Do not apply if the material or substrate temperature is below 60°F.

This product is best applied when surface, material, and air temperatures are between 60-100°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. Abnormal conditions of temperature or humidity may adversely affect product 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 78°F (26°C) with relative humidity not exceeding 50%. These products are recommended for use under temperature conditions of 60-100°F (16-38°C) 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 60°F (16°C) 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.