



Waterborne Retarder

TECHNICAL DATA SHEET

PRODUCT NUMBER
YXT0700
COMPANION PRODUCTS
Zenith™ Coatings, stains, and glaze bases
DESCRIPTION/USES
Zenith™ Waterborne Retarder is designed to increase the open time of Zenith™ coatings, stain, and glaze bases where needed. This may be necessary in conditions of high temperature, excessive air movement, or when applying coatings to very large pieces where longer open time is needed. This product is not designed for thinning purposes and will not affect viscosity at recommended amounts. Zenith™ Waterborne Retarder is designed for professional use only. For Wood Substrates Only.
PRODUCT ADVANTAGES
<ul style="list-style-type: none">• HAP's Free• Formaldehyde Free• Very low odor• Water cleanup
APPLICATION FEATURES
<ul style="list-style-type: none">• Easy mixing.• Extends the open time of Zenith™ products.
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: N/A
Weight Solids: 0
Volume Solids: 0%
Weight/Gallon: 8.66 lbs/gal ¹
Theoretical Coverage: N/A
Flash Point: 999°F Closed Cup
Air Quality Information:
VOC: 8.66 lbs/gal of Product
AIM VOC: 1037.7g/l
VOC Ratio: N/A
VHAP: 0.0 lb VHAP/lb solid-HAP's Free
Photochemically Reactive: No
Dry Times (78°F, 50%RH):
Air Dry N/A
Force Dry N/A
Shelf life: 2 years from the manufacturing date
Pot Life: N/A
Application Equipment: Use only equipment with plastic, stainless steel, or Teflon coated valves and parts.
Recommended tip sizes: N/A
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.

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

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

The Zenith™ product line is packaged ready to use. However, certain conditions of high temperature, excessive air movement, or size of the piece to be sprayed may require a longer open time than normal. Such conditions may warrant the use of Zenith™ Waterborne Retarder. Amounts of addition are specific to each product. Please refer to the following table to maintain regulatory compliance:

Zenith™ clear sealer and topcoats

LKF700X series, PKF720X series, PKF750X series, PKS7200: Add 1-5 oz (1-4%) max per gal. Max VOC after recommended addition is 275 g/l or 2.3 lbs per gallon.

Zenith™ basecoats and white topcoats

LKW7100, LKN7200, LKW710X series, PKW730X series: Add 1-4 oz (1-3%) max per gal. Max VOC after recommended addition is 275 g/l or 2.3 lbs per gallon.

Zenith™ stains and glazes

LWS075X series: Add 1-2.5 oz (1-2%) max per gal. Max VOC after recommended addition is 250 g/l or 2.08 lbs per gallon.

LWS4750: Add 1-2oz (1-1.5%) max per gal. Max VOC after recommended addition is 250 g/l or 2.08 lbs per gallon.

LWS4725: Add 1-2oz (1-1.5%) max per gal. Max VOC after recommended addition is 250 g/l or 2.08 lbs per gallon.

LWS1000: Add 4-7oz (3-5%) max per gal. Max VOC after recommended addition is 120 g/per liter of Material.

For Zenith products/series not listed-No retarder is recommended.

Note: Adding Zenith™ Waterborne Retarder will increase the dry time needed before re-coating. The amount of extra time needed will depend on ambient conditions and air movement. Make sure products are thoroughly dry before re-coating.

Caution: Exceeding recommended amounts may cause severely extended dry times and cause a soft film in the early curing stages.

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.

MSDS AND CPDS SHEETS AVAILABLE UPON REQUEST