

LKW7450

Zenith White Basecoat



Date: March 19, 2019 (supersedes all previous revisions)



GENERAL INFORMATION

Axalta's Zenith™ White Basecoat is a single component, easy sanding product designed to be used with the Zenith Precatalyzed and Conversion Varnish White topcoats. When used with the Zenith White Conversion Varnish it is part of a KCMA approved system. Two primer coats offer tannin blocking properties.



1. PRODUCTS

- LKW7450



2. MIXING RATIO

- Stir thoroughly, do not shake



3. SHELF LIFE @ 77°F (25°C)

- 1 year



4. 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



5. ADDITIVES

- Use if needed to adjust dry time, use Zenith™ Waterborne Retarder YXT0700 at a rate of 1-5 oz (1-4%) max per gal.



6. SURFACE PREPARATION

- Surface must be clean and dust free with a moisture content of 6-8% prior to finishing. Remove all dust, dirt, wax and wood marks. Proper sanding and preparation of the wood is critical to achieving consistent results.
- On new wood, finish sand surface with 150-180 grit sandpaper
- On previously finished wood, remove all old paint or varnish and follow new wood procedure.

7. COMPANION PRODUCTS

- LWW740X Clear Precatalyzed Topcoats
- PWW780X Clear Conversion Varnish Topcoats
- Zenith Waterborne stains and glazes



8. TECH NOTES

- No thinning is recommended.
- Maximum tint load - 10% by volume



9. SUBSTRATES

- Commonly used furniture and cabinetry woods
- MDF/HDF

NOTE: Not to be used on exterior applications



10. APPLICATION

- Ready to spray. No thinning is recommended. Two coats required for tannin blocking properties.
- Maximum film thickness of the total coating system must not exceed 4 dry mils.



11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)

Dry to touch	20 - 25 Minutes
Flash between coats	35 - 45 Minutes
To Stack	12 - 24 Hours



12. FORCE DRY

Flash	8 - 10 Minutes
Bake	15 Minutes @ 130°F
Cool Down	10 Minutes ambient
Stack	After cool down



13. GUN SET UP

Gravity Feed	1.6 mm - 1.8 mm
Siphon Feed	1.8 mm - 2.0 mm
Airless	10 - 15 thousandths
Air-Assisted Airless	11 - 15 thousandths

AIR PRESSURES

Gravity Feed	30-35 psi (2.0-2.4 bar)
Siphon Feed	35-40 psi (2.4-2.8 bar)
Air-Assisted Airless	5-10 psi (0.3-0.7 bar)
See spray gun manufacturer data for more information	



14. PHYSICAL DATA

Viscosity	18-22 Sec EZ Zahn #3
Weight Solids %	55.4
Volume Solids %	41.4
Actual VOC	0.64 #/gal
VOC Ratio (lb.voc/lb.solids)	0.05
Regulatory VOC (less water and exempt solvents)	77.2 g/l
Weight Per Gallon	10.9
Flash Point	>210°F
Theoretical Coverage	664 ft/gal @ 1 mil dry
VHAP (lb.HAP/lb.solids)	0.00 HAPS Free
Photochemically Reactive	No
Coating Category	White Primer

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Application Notes:

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

If staining, use an approved Axalta 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.

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 when used as a self-seal system. Maximum film thickness of the total coating system MUST NOT EXCEED 6 dry mils.

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.

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. Axalta Industrial Wood 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. Axalta will not be held liable for finish failures resulting from the mixing of products or deviations from finishing recommendations.

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. **Axalta 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 Axalta Industrial Wood Coatings distributor for additional product use recommendations and finishing guidance.