

## ZAR® Exterior Water Base Poly High Performance

## MANUFACTURER

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## PRODUCT DESCRIPTION

ZAR® Exterior Water Base Poly High Performance is a long-lasting exterior water base polyurethane providing some of the toughest UV protection available. For exterior surfaces exposed to direct sunlight and harsh extremes of weather. Ideal substrates: Exterior doors and trim, outdoor furniture, and wooden marine surfaces (above water line). ZAR® Exterior Water Base Poly High Performance full-bodied formula is self-leveling and dries to a rich, amber tone. Use on bare wood or over the wood is to be stained, use ZAR® Interior Oil Base Stain.

- Contains ultraviolet radiation absorbers for the ultimate exterior protection for wood exposed to direct sunlight and harsh extremes of weather
- Light amber finish
- Recommended by leading door manufacturers
- Excellent marine grade finish

## BASIC USES

Ideal for wooden marine surfaces (above water-line), stained exterior doors – including fiberglass and steel doors, patio furniture, fences, gables and other wood surfaces exposed to direct sunlight and the harsh extremes of weather.

## LIMITATIONS

Not for use on decks or other areas subject to foot traffic. Do not use steel wool. Do not thin.

## TECHNICAL DATA

## COMPOSITION:

Water base

## SHEEN:

Gloss 90+ @ 60°

Semi-Gloss 70 ± 5 @ 60°

Satin 45 ± 5 @ 60°

Matte 20 ± 5 @ 60°

## % WEIGHT SOLIDS:

32% ± 2

## DENSITY (LBS./US GAL.):

8.5 ± 0.1 (S.G. 1.01)

## VISCOSITY:

60-65 KU @77°F (25°C)

## pH:

8.5 +.2

## COLOR:

Transparent

## DRY TIME:

- To touch: 30 minutes
- To recoat: 2 hours
- Maximum use: 24 hours

**Note:** Maximum cure and dry time will be prolonged when slightly humid and damp, cool conditions prevail.

## CLEAN UP:

Warm soapy water

Dispose of contaminated absorbent, container and unused contents in accordance with local, state, and federal regulations.

## COVERAGE (SQ. FT./GAL.):

500-600 sq. ft. (46 m<sup>2</sup>- 55.7 m<sup>2</sup>)/gal.

@1 mil

**Note:** Actual coverage will vary depending upon application method, surface texture, and porosity.

## RECOMMENDED FILM THICKNESS/COAT:

3 wet mils/coat

## SHELF LIFE:

5 Years unopened container

## FREEZE/THAW:

Protect from freezing

## CONTAINER SIZES:

One quart (946 mL) and one gallon (3,875 L) cans

## VOC

Does not exceed 100 g/L

## TINTING

N/A

## THINNING

Do not thin.

## SURFACE PREPARATION

**Stained Steel Doors and Fiberglass Doors:**

Wood Stain must be thoroughly dry. Do not sand uncoated stained surface.

**New Wood:** Sand smooth using fine sandpaper, vacuum sanding dust. **Do not use steel wool.** To fill open-grained woods use ZAR® Wood Patch.

**Old Clear Finishes in Good Condition:**

Remove grease, dirt, and wax. Sand lightly in the direction of the grain to remove any gloss. **Do not use steel wool.** Vacuum all sanding dust.

**Old Clear Finishes in Poor Condition, Lacquer or Shellac:** Remove completely. If the old finish contains wax, regardless of condition, remove completely. **Do not use steel wool.** Sand and vacuum all sanding dust.

## WARNING

If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-



## DRY TIME:

30 Minutes  
Recoat 2-3 Hours



## CLEAN-UP:

Soap and Water



## COVERAGE:

3 Coats



## SPREAD RATE:

500-600 Sq.  
Ft./Gallon

approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### APPLICATION

Stirring not required for Gloss. For Semi-Gloss, Satin, and Matte stir thoroughly before and during application. Do not shake! Apply straight from the can. Thinning not required. Apply only when air and surface temperature is between 60°F (15.5°C) and 90°F (32°C) and the relative humidity is less than 50%. Can be applied with a brush, synthetic applicator, or spray. Do not use a roller. Apply in the direction of the grain at a rate of 500-600 sq. ft. (46 m<sup>2</sup>- 55.7 m<sup>2</sup>) per gallon. Do not over brush and let the poly self-level.

**Note:** When staining an exterior surface before top coating use the wood is to be stained, use ZAR® Interior Oil Base Stain. To ensure satisfactory results always test ZAR® Exterior Water Base Poly High Performance in an inconspicuous area before completing the entire job.

On exterior wooden surfaces apply 3 coats. For steel and fiberglass doors apply a minimum of 2 coats.

### MAINTENANCE

Exterior durability depends on the amount of exposure to the sun and weathering conditions. Inspect the finish yearly for signs of wear. If minimum deterioration has occurred and no visible damage is detected, clean the surface thoroughly, sand lightly with fine sandpaper and apply another coat.

### CAUTION

VAPOR HARMFUL. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE, OR NAUSEA. CAUSES EYE, SKIN, NOSE, AND THROAT IRRITATION. Can be absorbed through skin. May cause reproductive hazards. Harmful if swallowed.

**NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by

deliberately concentrating and inhaling the contents may be harmful or fatal.

Keep away from heat and flame. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

**Use only with adequate ventilation.** Do not breathe vapors. Ensure fresh air entry during application and drying. If you experience eye watering, headache, or dizziness, or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling.

**KEEP OUT OF REACH OF CHILDREN.  
KEEP FROM FREEZING.**

### FIRST AID

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and call poison control center, hospital emergency room, or physician immediately; for skin, wash thoroughly with soap and water. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, call poison control center, hospital emergency room, or physician immediately. If swallowed, do not induce vomiting. Call poison control center, hospital emergency room, or physician immediately.

If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

**DANGER – RAGS, STEEL WOOL, OR WASTE SOAKED WITH PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER USE, PLACE RAGS, STEEL WOOL, OR WASTE IN A SEALED, WATER-FILLED METAL CONTAINER.**

 **WARNING:** Reproductive Harm – [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

For additional health and safety information please refer to the "Safety Data Sheet".

ZAR® is a registered trademark of United Gilsonite Laboratories (UGL).



Exterior Water Base Poly High Performance		Gloss	Semi-Gloss	Satin	Matte
1 QT.	4/Case	32612	34212	32712	34912
1 GAL.	2/Case	32613	34213	32713	34913

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