

ZAR® Ultra Max Interior Waterborne Oil Modified Polyurethane

MANUFACTURER

UNITED GILSONITE LABORATORIES

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PRODUCT DESCRIPTION

ZAR ULTRA MAX Waterborne Oil Modified Polyurethane is an environmentally safe, clear wood finish. Self-leveling for a smooth finish. This fast drying, low-odor formula features superior hardness and mar resistance for outstanding wear and durability.

Natural ambering enhances wood tones. Dual Drying Technology makes the polyurethane dry by coalescing and oxygen cross-linking for a harder "through cure". Child safe when dry. "Exotic Hardwood Approved"-Ideal for use on Teak, Brazilian Walnut and other exotic wood species.

- Superior abrasion resistance
- Low odor, fast drying
- Dual Drying Technology, dries with a harder "through cure"
- Exotic hardwood approved.

BASIC USES

Specially formulated to protect and beautify floors, cabinets, furniture and woodwork.

LIMITATIONS

Do not apply over finishes containing stearates or aluminum oxide. Do not use steel wool.

TECHNICAL DATA

COMPOSITION:

Waterborne oil modified

SHEEN:

- Gloss 85+ @ 60°
- Semi-Gloss 65-75 @ 60°
- Satin 40-50 @ 60°
- Antique Flat 15-25 @ 60°

% WEIGHT SOLIDS:

31.5-33.5

% VOLUME SOLIDS:

32-34

DENSITY (LBS./US GAL.):

8.5-9.0

VISCOSITY:

54-60 KU

pH:

8.5-9.0

COLORS:

N/A

DRY TIME:

- To touch: 30 minutes
- To recoat: 2 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./US GAL.):

- 400-500 sq. ft./gal.

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

RECOMMENDED FILM THICKNESS/COAT:

4 wet mils

FLASH POINT:

N/A

SHELF LIFE:

N/A

FREEZE/THAW:

Protect from freezing

CONTAINER SIZES:

One-half pint (US), one quart (US) and one gallon (US) cans

VOC

Does not exceed 250 g/L

TINTING

N/A

THINNING

May be thinned up to 10% with water for use as a first coat.

SURFACE PREPARATION

New Wood: Sand smooth using fine sandpaper, vacuum sanding dust. Wipe clean using a tack-cloth or microfiber cloth. Do not use steel wool. If open-grained woods are to be filled, use a filler that does not contain stearates or waxes, such as 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. Wipe clean using a tack-cloth or microfiber cloth. If the old finish contains wax or stearates, regardless of condition, remove completely. Clean dust with cloth dampened with paint thinner or mineral spirits.

Old Clear Finishes in Poor Condition, Lacquer or Shellac:

Remove completely. Do not use steel wool. Sand and vacuum all sanding dust. Wipe clean using a tack-cloth or microfiber cloth.

If wood is to be stained, use ZAR Wood Stain or ZAR ULTRA MAX Wood Stain. Allow Wood Stain to dry a minimum of 3 hours. For water-based wood stains or oil-based wood stains other than ZAR, follow manufacturer's drying directions.

NOTE: To ensure satisfactory results, always prepare a sample or test the product on an



DRY TIME:

30 Minutes
Recoat 2 Hours



CLEAN-UP:

Soap and Water



COVERAGE:

2-3 Coats
3 Coats for Floors



SPREAD RATE:

400-500 Sq.
Ft./Gallon

inconspicuous area to determine compatibility prior to completing the entire job.

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-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.

APPLICATION

Apply when air and surface temperatures are above 50 and the relative humidity is less than 60%. Stir all sheens except ZAR ULTRA MAX Gloss Polyurethane thoroughly before and during application. Stirring is not required for ZAR ULTRA MAX Gloss Polyurethane finish. Do not shake! Apply straight from the can. DO NOT THIN. Use a clean synthetic fiber brush or use a foam pad. Do not apply with a roller. Apply thin coats at a rate of 400-500 sq.ft. per gallon in the direction of the grain. Too thick a coat may appear milky when dry. Do not over brush or trap air bubbles in the finish. Avoid over-brushing which may trap air bubbles in the finish and result in streaks. Make final pass of applicator a skimming stroke across the entire surface.

Floor Application: If floor is to be stained prior to applying ZAR ULTRA MAX, let stain dry according to manufacturer's drying directions. Areas with poor ventilation such as closed rooms, corners and hallways may take longer to dry. Prepare surface as above. Use a light weight T-Bar with a synthetic applicator or use a foam pad and spread the finish towards the opposite wall following the wood grain. Hold the applicator using a snowplow technique to maintain a wet edge. When approaching the end of a run, turn the applicator towards you and spread out excess material parallel to the wet edge. Feather out all turns. For maximum protection, apply 3 coats of ZAR ULTRA MAX. Allow floors to dry 24 hours before subjecting to light foot

traffic; 3-5 days before moderate (normal) traffic or moving furniture. To avoid marring floor, lift and place furniture. One week is required before maximum resistance is achieved. Do not cover floors with rugs before one week has elapsed. If floor should become marred or scratched, simply sand lightly using fine sand paper, vacuum all sanding dust, wipe clean with a tack cloth or microfiber cloth, apply another coat to repair the finish.

MAINTENANCE

Areas with harsh exposure to sun, weather or foot traffic will show wear more quickly than other surfaces. If this occurs, clean affected areas and recoat as necessary.

CAUTION

CONTAINS SMALL AMOUNTS OF TRIPROPYLENE GLYCOL METHYL ETHER and N-METHYL PYRROLIDONE. Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, throat, skin and eye irritation. May be harmful if absorbed through skin. 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.

Use only with adequate ventilation. Do not breathe vapors or spray mist. 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.
DO NOT TAKE INTERNALLY.
CLOSE CONTAINER AFTER EACH USE.
KEEP FROM FREEZING.

FIRST AID

EYES: Flush immediately with large amounts of water for at least 15 minutes. Consult a physician if irritation persists.
SKIN: Wash affected area with soap and

water. If redness, itching or burning sensation develops get medical attention. Wash contaminated clothing before reuse.

INGESTION: DO NOT INDUCE VOMITING. Give 1 or 2 glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. If individual is drowsy or unconscious do not give anything by mouth.
INHALATION: Remove to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

WARNING! This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

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

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



	Ultra Max Polyurethane	Gloss	Semi-Gloss	Satin	Antique Flat
1/2 PT.*	6/Case	36006	36106	36206	n/a
1 QT.	4/Case	36012	36112	36212	36412
1 GAL.	2/Case	36013	36113	36213	36413

* Only available from NV warehouse

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ZAR® Ultra Max Interior Waterborne Oil Modified Sanding Sealer

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PRODUCT DESCRIPTION

ZAR ULTRA MAX Sanding Sealer

Polyurethane is an environmentally safe, super fast drying first coat for wood. Specially formulated to seal wood surfaces with its self-leveling, easy flow properties. Dual Drying Technology makes the Sanding Sealer dry by coalescing and oxygen cross-linking for a harder "through cure".

Natural ambering enhances wood tones. Dual Drying Technology makes the polyurethane dry by coalescing and oxygen cross-linking for a harder "through cure". Child safe when dry.

- Superior abrasion resistance
- Low odor, fast drying
- Dual Drying Technology, dries with a harder "through cure"
- Exotic hardwood approved
- Use as a first coat under ZAR Ultra Max Polyurethanes

BASIC USES

Use as a first coat under ZAR ULTRA MAX Waterborne Oil Modified Polyurethane and all other ZAR water-based or oil-based polyurethane finishes. Exotic Hardwood Approved – Ideal for use on Teak, Brazilian Walnut, Brazilian Cherry and other exotic wood species. Use on floors, cabinets, furniture and woodwork. "Exotic Hardwood Approved" – Ideal for use on Teak, Brazilian Walnut and other exotic wood species.

LIMITATIONS

Do not apply over finishes containing stearates or aluminum oxide. Do not use steel wool.

TECHNICAL DATA

COMPOSITION:

Waterborne oil modified

SHEEN:

N/A

% WEIGHT SOLIDS:

31.6%

% VOLUME SOLIDS:

33.2%

DENSITY (LBS./US GAL.):

8.8

VISCOSITY:

53±3 KU's

pH:

8.0

COLORS:

N/A

DRY TIME:

- To touch: 10 minutes
- To recoat: 2 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./US GAL.):

- 300-400 sq. ft./100 fl. oz.

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

RECOMMENDED FILM THICKNESS/COAT:

1-1.5 mil dry film/coat

FLASH POINT:

N/A

SHELF LIFE:

N/A

FREEZE/THAW:

Keep from freezing

CONTAINER SIZES:

One hundred fluid ounces (US) and
Two hundred fluid ounces (US) jugs

VOC

Does not exceed 250 g/L

TINTING

N/A

THINNING

May be thinned up to 10% with water.

SURFACE PREPARATION

New Wood: Sand smooth using fine sandpaper, vacuum sanding dust. Wipe clean using a tack-cloth or microfiber cloth. Do not use steel wool. If open-grained woods are to be filled, use a filler that does not contain stearates or waxes, such as ZAR Wood Patch or ZAR Trowelable 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. Wipe clean using a tack-cloth or microfiber cloth. If the old finish contains wax or stearates, regardless of condition, remove completely. Clean dust with cloth dampened with paint thinner or mineral spirits.

Old Clear Finishes in Poor Condition, Lacquer or Shellac:

Remove completely. Do not use steel wool. Sand and vacuum all sanding dust. Wipe clean using a tack-cloth or microfiber cloth.

If wood is to be stained, use ZAR Wood Stain or ZAR ULTRA MAX Wood Stain. Allow Wood Stain to dry a minimum of 3 hours. For water-based wood stains or oil-based wood



DRY TIME:

10 Minutes
Recoat 2 Hours



CLEAN-UP:

Soap and Water



COVERAGE:

1-2 Coats



SPREAD RATE:

300-400 Sq.
Ft./100 Fl. Oz.

stains other than ZAR, follow manufacturer's drying directions.

NOTE: To ensure satisfactory results, always prepare a sample or test the product on an inconspicuous area to determine compatibility prior to completing the entire job.

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-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.

APPLICATION

Apply when air and surface temperatures are between 60°F and 90°F and the relative humidity is less than 60%. Do not shake! Apply one coat of ZAR ULTRA MAX Sanding Sealer as a first coat on new/bare wood then apply two top coats of ZAR ULTRA Max Floor Finish. Pour a 4"-6" line of finish along the starting wall in the direction of the wood grain. Next, use a clean, light weight T-Bar with a synthetic applicator or use a foam pad and spread the finish towards the opposite wall following the wood grain. Hold the applicator using a snowplow technique to maintain a wet edge. When approaching the end of a run, turn the applicator towards you and spread out excess material parallel to the wet edge. Feather out all turns. Apply a thin coat at a rate of 600-800 sq. ft. per 200 oz. Allow to dry 1 hour before applying the top coat. Drying time may be affected by temperature, humidity and film thickness. If greater than 24 hours elapses between applying the Sanding Sealer and top coat, buff lightly between coats to ensure a smooth finish. Vacuum thoroughly and wipe clean with a microfiber cloth and apply the top coat.

MAINTENANCE

Areas with harsh exposure to sun, weather or foot traffic will show wear more quickly than other surfaces. If this occurs, clean affected areas and recoat as necessary.

CAUTION

CONTAINS SMALL AMOUNTS OF N-METHYL PYRROLIDONE. Vapor may be harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, throat, skin and eye irritation. May be harmful if absorbed through skin. 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.

Use only with adequate ventilation. Do not breathe vapors or spray mist. 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.
DO NOT TAKE INTERNALLY.
KEEP FROM FREEZING.

FIRST AID

EYES: Flush immediately with large amounts of water for at least 15 minutes. Consult a physician if irritation persists.

SKIN: Wash affected area with soap and water. If redness, itching or burning sensation develops get medical attention. Wash contaminated clothing before reuse.

INGESTION: DO NOT INDUCE VOMITING. Give 1 or 2 glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. If individual is drowsy or unconscious do not give anything by mouth.

INHALATION: Remove to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

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

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Ultra Max Sanding Sealer	First Coat
100 FL. OZ. 2/Case	36393
200 FL. OZ. 2/Case	36394

Natural Amber
First Coat
36593
n/a

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