ZEHRUNG

ZEHRUNG® Z-PRIME WATER-BASE

DESCRIPTION AND USES

Zehrung® Z-Prime Water-Base is a water-based acrylic primer/sealer designed for application to interior walls, ceilings, doors, trim, railings and related paintable surfaces. It has excellent adhesion to gloss enamels and clear finishes, hardboard, glass and tile, Formica®, Masonite®, PVC, fiberglass and ceramic tile. It seals porous surfaces including drywall and masonry. Z-Prime Water-Base resists grain raise on new woods and sands easily to a smooth surface.

A single coat of Z-Prime Water-Base will hide dark colors and seal porous surfaces. It can be tinted toward the topcoat color for better consistency in color and sheen to extend the topcoat coverage. Z-Prime Water-Base is an excellent universal base coat for full surface interior applications by brush, roller, or spray.

PERFORMANCE CHARACTERISTICS

- Seals interior porous surfaces in one coat
- Dries fast to a dead flat finish
- Sand easily to a smooth finish
- Adheres to glossy surfaces without sanding or deglossing
- Bonds moderately chalky surfaces
- Dries in minutes, can be recoated in 1 hour
- Blocks grease and other common stains

PRODUCTS

SKU	Description
12500	5-Gallon
12501	1-Gallon

PRODUCT APPLICATION

SURFACE PREPARATION

Surfaces should be clean, dry, sound and free of dust, dirt, excessive chalky material, grime, grease, oil, wax, mildew, wallpaper adhesive, or any contamination that may interfere with adhesion. If unsure of cleanliness, always wash surface with household ammonia and water solution, appropriate cleaning solution or solvent (do not use TSP as a cleaner). Remove any peeling and/or unsound coatings. Sand any remaining paint film edges smooth. Remove existing stains by washing, sanding, scraping, etc. Countersink exposed nail heads, spot prime and fill all nail holes and gouges with Zinsser Ready-Patch® spackling compound or equally suitable material.

PRODUCT APPLICATION (cont.)

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.

NEW DRYWALL

New drywall must be wiped down with a damp cloth to remove residual joint compound dust prior to priming.

PLASTER & CONCRETE

New plaster must age 30 days before application of Z-Prime Water-Base. Concrete, plaster, masonry and related surfaces must be fully cured before priming.

DAMAGED DRYWALL

Damaged drywall should be repaired prior to priming. Spot prime area of torn drywall facing paper or exposed gypsum core with Zinsser GardZ® Problem Surface Sealer and then skim coat with drywall mud before priming the total area with Z-Prime Water-Base.

STAINS

Remove existing stains by washing, sanding, scraping, etc. Water stains, stains form water-based markers and smoke stains should be primed with Zerolac Primer. Nicotine stains should be primed with Zerolac Z-Prime® Oil-Base.

METAL SURFACES

Use Z-Prime Water-Base to prime galvanized metal, aluminum or previously painted ferrous metals. Prime uncoated ferrous metals with Zinsser Bulls-Eye 1-2-3® Primer/Sealer.

WOOD

Sand bare wood smooth using medium to fine grit sandpaper and remove dust. For new Cedar and Redwood applications, allow Z-Prime Water-Base to dry 24 hours before painting or topcoating.

PRODUCT APPLICATION (cont.)

LIMITATIONS

Z-Prime Water-Base is not recommended for exterior use on ferrous metals or application to floors, decks, roof surfaces or any surface subject to immersion or prolonged contact with water.

APPLICATION

Apply only when air, material, and surface temperatures are between 50-90ºF (10-32ºC) and the relative humidity is below 70%. Substrate moisture content should not exceed 12%. Thoroughly mix to ensure any settled pigment is re-dispersed before using. In most cases only one coat is necessary to prime most surfaces. If excessive absorption occurs over very porous substrates a second coat may be necessary. Spot priming is recommended only under high-hiding topcoat finishes. For best results, prime entire surface before painting.

Apply with a synthetic (nylon, polyester or blend) bristle brush, roller, or airless sprayer. Follow manufacturer's instructions when using spray equipment. For airless spraying use a .015 to .017" tip at 2500 to 2700 psi. Wear NIOSH approved respirator and provide adequate ventilation.

THINNING

If thinning is necessary, add no more than 10 fluid ounces of clean water per gallon and mix thoroughly. Note that thinning the primer may affect its stain-blocking properties.

TINTING

Z-Prime Water-Base may be tinted with up to 2 ounces of universal colorant per gallon. Tinting the primer toward the color of the topcoat helps hide in one coat. Shake or stir well before using.

DRY TIME

Dries to the touch in 30 minutes, can be recoated in 1 hour. Lower temperatures, higher humidity, and the addition of tint will prolong dry and cure time. Allow more time at cooler temperatures.

PRODUCT APPLICATION (cont.)

CLEAN-UP

Clean up spills and paint drips with detergent and warm water. If spills or drips have dried, use denatured alcohol or ammoniated detergent to soften and remove primer. Wash application tools in detergent and warm water immediately use. Follow equipment manufacturer’s directions to clean spray equipment. Dispose of unused or unwanted product in accordance with local laws regulating water-based coatings.

TECHNICAL DATA

ZEHRUNG

ZEHRUNG® Z-PRIME WATER-BASE

PHYSICAL PROPERTIES

Physical Properties		Z-PRIME WATER-BASE
Resin Type		Water-based Acrylic
Pigment Type		Titanium Dioxide
Solvents		Water, Glycol Ethers
Weight	**Per Gallon**	11.6 lbs.
	Per Liter	1.39 kg
Solids	**By Weight**	57.6%
	By Volume	41.5%
Volatile Organic Compounds		<100 g/l (0.83 lbs./gal.)
Recommended Dry Film Thickness (DFT) per Coat		1.5-2.0 mils (37.5-50µ)
Wet Film to Achieve DFT (Unthinned material)		3.0-5.5 mils (75-137.5µ)
Theoretical Coverage at 1 mil DFT (25µ)		593 sq.ft./gal. (14.6 m^2/l)
Practical Coverage at Recommended DFT (assume 15% material loss)		Approximately 400 sq.ft./gal. (9.8 m^2/l) depending on application method and surface porosity
Dry Times at 70°F (21ºC) and 50% Relative Humidity	**Touch**	30 minutes
	Recoat	1 hour
	Full Cure	7 days
Shelf Life		5 years
Flash Point		>200ºF (93ºC)
Storage		40-90°F (4-32°C)
Safety Information		For additional information, see MSDS

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