

Smart Prime®

Advanced Water-Base Technology Primer For All Projects



Product No.
249728
249729
249727

Generic Type: White pigmented, modified acrylic water-base primer-sealer stain killer & bond coat.

PERFORMANCE CHARACTERISTICS

- Bonds to glossy surfaces without scuff sanding
- Formulated with proprietary stain-blocking resins
- Dried film is mold and mildew resistant
- Binds moderately chalky surfaces
- Dries in minutes, can be recoated in 1 hour

Smart Prime is a revolution in water-base technology after years of research to develop oil-base characteristics in an all-purpose, all-surface water-base interior/exterior primer. Developed for professional and commercial applications, this advanced technology water-base combines dependable stain blocking power with fast-dry convenience, exceptional flow and leveling and outstanding adhesion to glossy surfaces. Dried film is mold and mildew resistant.

Great for residential, institutional or commercial use in schools, hospitals, hotels, nursing homes, restaurants, etc.

RECOMMENDED USES

Apply to interior and exterior walls, ceilings, doors, trim, fascia, soffits, foundations, railings, and related paintable surfaces. Smart Prime bonds to wood, plaster, concrete, gloss enamels, hardboard, glass and tile.

- Interior - New and previously painted drywall, plaster/ cement based coatings, wood (pine, fir, cedar, redwood, plywood), metal (aluminum, stainless steel, galvanized metal), vinyl, PVC, fiberglass, masonry (stucco, concrete block, poured concrete, brick).
- Exterior - New or previously painted wood (pine, fir, cedar, redwood, T-111, plywood, pressure treated wood), hardboard, asbestos shingles, glass, metal (aluminum, stainless steel, galvanized metal), PVC, rigid plastics, aluminum and vinyl siding, fiberglass and masonry (stucco, concrete block, poured concrete, HardiPlank®, brick).
- Priming - Use on bare or painted surfaces including wood, drywall, cured plaster, concrete, stucco and masonry, aluminum, vinyl, galvanized metal and PVC. Outstanding adhesion to dense, glossy surfaces; enamel paints and varnishes, paneling, laminates and ceramic tile – without sanding or de-glossing.
- Sealing - Proprietary blend of resins penetrate deeply to seal porous surfaces providing a smooth and even finish so topcoat paints have better coverage and more consistent sheen. Helps bind chalky siding and trim.
- Stain Blocking - Blocks stains from water, smoke, cedar or redwood bleed, grease, handprints, asphalt, crayon, graffiti and rust stains. Application Notes: Make sure all water leaks are fixed before applying Smart Prime to a water-stain. If the water-stained surface requires patching, apply Smart Prime before and after applying the spackling and patching compound. After applying Smart Prime to the stain, the stain may appear in the primer film. This is normal. The stain will be locked in the primer film and will not bleed into the topcoat. Allow 2 hours to dry for interior stain blocking and overnight for bare cedar or redwood. Certain applications may require a second coat of primer. Prime severe water and smoke stains and block associated odors with **ZINSSER B-I-N shellac-base primer stain-blocker**

- Mold & Mildew Resistance – Resists the growth of mold and mildew on the primer film.
- Cedar & Redwood Bleed – Traps tannins in the primer film to prevent them from ‘bleeding’ into the finish coat. Allow to dry overnight before applying topcoat. Very porous woods may require two coats before topcoat.

Chalky Siding: Contains chalk-binding resins for use on moderately chalked aluminum or previously painted siding and trim.

Glossy Surfaces: Adheres to glossy enamel paints and clear finishes, Formica[®], Masonite[®], PVC, fiberglass, vinyl – even ceramic tile – without pre-sanding or surface de-glossing.

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, always wash surface with a household ammonia and water solution, appropriate cleaning solution, or solvent (Do not use TSP as a cleaner). Remove any unsoundly adhered coatings. Sand any remaining paint film edges smooth with the surface. Lightly sand exposed exterior wood with 80 to 100 grit sandpaper to remove loose or weathered wood fibers. Attempt to remove existing stains by washing, sanding, scraping, etc. Kill exterior mildew with Zinsser JOMAX[®] House Cleaner and Mildew Killer. Bare wood that has been exposed for more than 4 weeks should be lightly sanded or abraded to remove weathered wood fibers. Countersink exposed nail heads and fill all nail holes and gouges with Ready Patch[®]. Remove interior mold and mildew before painting with a solution of one cup household bleach per gallon of water or a quality biocidal wash. Rinse well. Always wear protective clothing and goggles to prevent eye and skin contact with bleach. Do not mix ammonia or any other chemical with bleach solution. If you are concerned about mold and mildew behind walls, underneath flooring, in ventilation systems or other unseen areas, contact a professional who specializes in mold and mildew remediation. For commercial buildings and schools follow appropriate guidelines for mold removal. Remove rust and wipe metal with a cloth dampened in alcohol then apply a rust-inhibitive primer. Spot prime knots and sap streaks with Zinsser B-I-N[®] Primer-Sealer before priming full surface with Smart Prime[®].

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 Conditions: Apply when air and surface temperature is between 50° and 90° F (10° and 32° C) and relative humidity is less than 85%. Substrate moisture content should not exceed 12%.

Application Methods: Shake or stir 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 paints. For best results, prime entire surface before painting. Keep container closed when not in use.

- Brush, Roller or Pad – Use synthetic (nylon, polyester or blend)
- Airless Sprayer – Use .017” tip @ 2000–2500 PSI
- Conventional Sprayer – Spray at 50 – 60 PSI

Tinting: Add up to 2 oz. (59 ml) universal colorant per gallon. Tinting the primer toward the color of the topcoat helps it hide in one coat. For mid or deep-tone colors use Bulls Eye 1-2-3 DEEP TINT. (Note that the addition of universal colorant may prolong the dry time of this product)

Thinning: If thinning is necessary add no more than 10 fl. oz. (296 ml) clean water per gallon and stir thoroughly. Note that thinning the primer may affect its stain-blocking properties.

Dry Time: In most cases Smart Prime will dry to the touch in 30 minutes and can be recoated after 1 hour. The dry primer film develops full adhesion and hardness after it cures in 7 days. Lower temperatures, higher humidity and the addition of tint will prolong dry and cure time.

Coverage: Approx. 400 sq. ft. (37 m²) per gallon on smooth, painted, non-porous surfaces; 350 sq. ft. (33 m²) per gallon on rough, unpainted, porous surfaces. Application losses may vary according to the porosity of the substrate and the method of application and should be taken into account when estimating the quantity of product needed.

Cleanup: Clean up spills and drips with liquid 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 a solution of detergent and

water immediately after use. If dried on tools let soak overnight in a solution of equal parts ammoniated detergent and water. Scrub bristles clean with a wire brush. Follow manufacturer's instructions when cleaning spray equipment.

Precautions: Keep away from children. Do not take internally. Avoid inhalation of spray or prolonged skin contact. To prevent product from skinning over, close container after each use. Keep lid tightly closed during storage. Protect from freezing. If contents freeze, thaw to room temperature before using.

Limited Warranty: *Smart Prime*[®] is guaranteed to perform as indicated when applied according to label directions to a properly prepared surface. Directions are as complete as possible but cannot encompass all conditions, applications, and/or surfaces beyond manufacturer's control. The contents of the container are warranted to be free from any other defect for 2 years from the date of manufacture. All warrantees and guarantees are limited to refund or replacement of product used with proof of purchase. No other warranty or guarantee is expressed or implied.

Typical Physical Properties

Percent Solids, Weight:	50.9%
Percent Solids, Volume:	35.2%
Density:	10.8 lbs./gal
Viscosity Range:	95 to 100 KU
Theoretical Spread Rate	
@ 1 mill DFT:	540 sq. ft (50 m ²)/gal
Dry Time @ 75° F/50% RH:	Touch: 30 min Recoat: 1 hour
Stain Sealing @ 75° F/50% RH:	2 hours 24 hrs over cedar
Adhesion Cure @ 75° F/50% RH:	7 days
Cured Gloss @ 85°:	5.0
Cured Enamel Holdout:	1.5%
Cured Wet Adhesion:	Pass 2000 cycle scrub
Cured Flexibility (1/4" Mandrel):	Pass /5A
Flame Spread (ASTM-84-97A):	Class A
Smoke Contrib. (ASTM-84-97A):	Class A
Flash Point (ASTM D3278):	>200° F (93° C)
VOC:	0 g/L
LEED:	Meets 4.2 Requirements
MPI Certified:	#39, 50, 137, 149
Freeze/Thaw Stable:	Yes
Shelf Life:	60 mo @ 75° F (24° C)
Storage/Handling:	Store indoors 40° – 90° F (4° – 32° C)

Disposal – Dispose of unused or unwanted product in accordance with local laws regulating water-based coatings.

Limitations – Not recommended for floors or decks or surfaces subject to immersion or prolonged contact with water. These limitations are not to be construed as all-inclusive.

Technical Assistance - Call 1-888-855-1774 or visit our website at www.zinsser.com.

PACKAGING & SHIPPING INFORMATION

Unit Size	Unit Code	Case Pack	Case Weight	Pallet Pack
5 gallon	249728	1	57 lbs.	36
1 gallon	249729	2	11.4 lbs.	45
1 quart	249727	6	2.85 lbs.	112

Read and carefully follow all information on this Technical Data Bulletin, on the product label and the material safety data sheet for this product. To the best of our knowledge, the data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact Rust-Oleum to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Rust-Oleum's quality control and assume no responsibility for coverage, performance or injuries from use. Visit Zinsser.com for our most up-to-date technical data bulletins.

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