



## SMART PRIME PREMIUM MULTI-SURFACE WATER-BASED UNDERCOAT

### DESCRIPTION AND USES

Zinsser® Smart Prime is an all-purpose, multi-surface, water-based interior/exterior undercoat that has all the performance characteristics of an oil-based undercoat. Smart Prime was developed for professional and commercial applications where an ultimate performance, low odour and low VOC undercoat is desired.

This advanced water-based technology combines excellent stain blocking performance with fast dry convenience with excellent flow and leveling. The dried film is mould and mildew resistant.

### PERFORMANCE CHARACTERISTICS

- Blocks all oil-based stains
- Fast dry
- Exterior flexibility
- Soap & water clean up
- Low odour

### PRODUCTS

SKU	Description
259336	1 Litre
259335	3.78 Litre
259334	10 Litre
259269	19 Litre

### PRODUCT APPLICATION

#### PRIMING

Use on bare or painted surfaces including wood, plasterboard, cured plaster, concrete, stucco and masonry, aluminium, vinyl, steel, galvanised metal and PVC. Smart prime has excellent adhesion to dense surfaces, enamel paints and varnishes, paneling, laminates and ceramic tile.

#### STAIN BLOCKING

Blocks stains from water, smoke, cedar or redwood bleed, grease, handprints, asphalt, crayon, graffiti and rust stains.

**Note:** Make sure all water leaks are repaired before applying Smart Prime to a water stain. If the water-stained surface requires patching, apply Smart Prime before and after applying the spackling or patching compound. After applying Smart Prime to the stain, the stain may appear in the undercoat film. This is normal. The stain will be locked in the undercoat 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 undercoat. Prime severe water and smoke stains and block associated odours with Zinsser B-I-N Primer-Sealer.

### PRODUCT APPLICATION (cont.)

#### SEALING

Smart Prime contains a proprietary blend of resins that seals porous surfaces providing a smooth and even finish so topcoat paints have better coverage and consistent sheen. Smart Prime helps to bind chalky paint on siding and trim.

#### SURFACE PREPARATION

Surfaces should be clean, dry, sound and free of dust, dirt, excessive chalky material, grime, grease, oil, wax, mould, wallpaper adhesive, or any contamination that may interfere with adhesion. If unsure of cleanliness, always wash surface with a household cleaner, appropriate cleaning solution or solvent. Remove any unsound 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 fibres. When priming over stained areas, first attempt to remove as much of the stain as possible by washing, sanding, scraping, etc.

Kill exterior mould with the proper fungicidal wash. Remove interior mould with an interior mould cleaner. Countersink exposed nail heads, spot prime and fill all nail holes and gouges with spackling compound. Wire brush rusty surfaces. Galvanised steel should be cleaned thoroughly with solvent or allowed to weather until trace oils or other contaminants are removed. Spot prime knots and sap streaks with B-I-N® Primer-Sealer. Special precautions should be taken during surface preparation of pre-1960 paint surfaces as they may contain harmful lead. Avoid the inhalation of dust. Wear a suitable face mask if dry sanding.

#### APPLICATION

Apply only when air, material, and surface temperatures are between 10 and 32°C and the relative humidity is less than 85%. Thoroughly mix to ensure any settled pigment is re-dispersed before using. Apply with a synthetic bristle brush, roller or sprayer. Follow manufacturer's instructions when using spray equipment. Use a 0.017 tip at 200-2500 psi. If thinning is required, add no more than 300 mL of clean water per 4 litres.



## TECHNICAL DATA

### SMART PRIME PREMIUM MULTI-SURFACE WATER-BASED UNDERCOAT

#### PRODUCT APPLICATION (cont.)

##### TINTING

Smart Prime may be tinted with up to 16 mL of universal colourant per litre. Tinting the primer toward the colour of the topcoat helps hide in one coat. Note: The addition of universal colourant may prolong the dry time of this product.

##### COVERAGE

Smart Prime will cover approximately 10 m<sup>2</sup> per litre. Coverage may vary with application method and surface porosity.

##### DRY TIME

At normal temperatures, Smart Prime will dry to the touch in 30 minutes and can be recoated in 1 hour. Allow 2 hours for interior stain blocking and overnight for exterior stain blocking. Full adhesion and hardness develops in 7 days. 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 with warm water and liquid detergent. Wipe up splatters before they dry. Follow equipment manufacturer's directions to clean spray equipment.

##### LIMITATIONS

Smart Prime is not recommended for application to floors or decks or surfaces subject to immersion or prolonged contact with water.

**TECHNICAL DATA****SMART PRIME PREMIUM MULTI-SURFACE WATER-BASED UNDERCOAT****PHYSICAL PROPERTIES**

Physical Properties		SMART PRIME
Resin Type		Water-based Acrylic
Pigment Type		Titanium Dioxide
Solvents		Water, Glycol Ether
Weight	Per Liter	1.31 kg
Solids	By Weight	51.8%
	By Volume	36.2%
Volatile Organic Compounds		5 g/l
Recommended Dry Film Thickness (DFT) per Coat		25-37.5 $\mu$
Wet Film to Achieve DFT (Unthinned material)		75-100 $\mu$
Theoretical Coverage at 25 $\mu$ DFT		14.3 m <sup>2</sup> /l
Practical Coverage at Recommended DFT (assume 15% material loss)		Approximately 10.0 m <sup>2</sup> /l depending on application method and surface porosity
Dry Times at 21-27°C and 50% Relative Humidity	Touch	30 minutes
	Recoat	1 hour
	Full Cure	7 days
Shelf Life		5 years
Flash Point		93°C
Storage		Store indoors at 4-32°C
Safety Information		For additional information, see MSDS

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