



ZINSSER® WATERTITE® FLEXIBLE PRIMER & FINISH

DESCRIPTION AND USES

Zinsser® WaterTite® Flexible Primer & Finish is a high build, moisture and mildew resistant, low VOC coating designed with elastomeric qualities to expand and contract to fill hairline cracks (1/16" or less) in vertical concrete and masonry surfaces. These products are suitable for stucco, brick, tilt-up walls, pre-cast or poured-in-place concrete as well as CMU and cement block. Flexible Primer & Finish provides excellent resistance to high alkali surfaces (pH levels up to 13.8). These coatings can be applied to new properly cast concrete and stucco within 72 hours. They block efflorescence (salt build-up) from passing through the topcoat and will not degrade when applied to concrete surfaces with a pH of up to 13.8.

Durable and weather resistant, WaterTite Flexible Primer & Finish passes the ASTM D6904-03 Standard Practice for Resistance to Wind Driven Rain for Exterior Coatings Applied on Masonry. Based on ASTM 1737-85 & D522 Method of Test for Elongation Testing, Flexible Primer & Finish can stretch up to 160% and does not yellow or chalk. Additionally, based on ASTM 1653 Method of Water Permeability, Flexible Primer & Finish has a perm rating of 15.5. This product can be used as a primer or primer and topcoat. If used as a primer, it should be topcoated with a high quality oil or latex-base finish.

MPI #10 Certified (Refer to the MPI website for the most current listing of MPI certified products.)

PERFORMANCE CHARACTERISTICS

- Designed with elastomeric qualities
- Protects from wind driven rain
- Mildew resistant finish
- Withstand high pH up to 13.8
- Blocks efflorescence, does not chalk or yellow
- Tintable
- Low VOC

PRODUCTS

SKU	DESCRIPTION
5061	1 Gallon (White Tint Base)
5063	5 Gallon (White Tint Base)
269342	1 Gallon (Deep Tint Base)
269343	5 Gallon (Deep Tint Base)

PRODUCT APPLICATION

SURFACE PREPARATION

Surfaces must be clean, dry, and sound. New concrete must cure for at least 3 days prior to coating. Surfaces must be free of dirt, efflorescence, mold, algae, sandy mortar, release agents or any material that could compromise the coating adhesion. Splash water on the surface to test for the presence of form sealers or release agents. If the surface turns dark, WaterTite Flexible Primer & Finish can be applied. If the water beads up or does not turn dark, the surface must be chemically or mechanically cleaned and retested before proceeding. Wash, vacuum, scrape, wire brush, power wash or mechanically abrade to clean the surface.

Cast concrete, concrete block and mortar joints must be hard and firm, not loose, sandy or soft. Scrape the surface with a flat screwdriver to test for soundness. If soft or sandy, contact a professional contractor before proceeding. Use mechanical means (hand or power tools) to open holes (bug-holes) caused by air bubbles in cast-in-place concrete to allow coating to fully penetrate. Replace missing mortar and fill non-dynamic cracks and bug-holes deeper than 1/16" with WaterTite Hydraulic Cement or equivalent product. WaterTite Hydraulic Cement must be fully dry before painting can begin. Follow the manufacturer's recommended dry time guidelines. Flexible Primer & Finish can be applied over previously painted surfaces. However, waterproofing ability is dependent upon the integrity and moisture resistance of the previous coating.

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.



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PRODUCT APPLICATION (cont.)

APPLICATION

Stir or mechanically mix thoroughly before and during application. DO NOT THIN. Apply only when air, material, and surface temperatures are between 50-90°F (10-32°C) and the relative humidity is or less than 85%. To form a continuous, pinhole free coating, apply evenly and thoroughly. To use as a primer, apply one coat. Apply two coats to use as a primer and finish. Apply using a high quality, synthetic 3 to 4 inch brush or a ¾" nap roller. If rolled, back brush the first coat to work the coating into the concrete pores. It is more important to work the first coat into the surface than for it to hide the substrate. Product should be applied at a WFT of 10-12 mils (5-6 mils dry). Use a wet film gauge to measure properly. Depending upon the porosity of the substrate, apply the first coat at a rate of 100-135 square feet per gallon. Apply the second coat at a rate to complete the project. Flexible Primer & Finish can be applied with an airless sprayer (tip size 0.017-0.021 with 2400-2900 psi). After spraying, back roll to ensure uniform coverage.

COLOR/TINTING

The White Tint Base can be tinted with up to 4 ounces of universal colorant per gallon. The Deep Tint Base can be tinted with up to 8 ounces of universal colorant per gallon. Both products produce a smooth, flat finish. The Deep Tint Base must be tinted before use. Mix on a mechanical shaker for 7-9 minutes or use a drill motor. Multiple containers of tinted paint should be boxed (intermixed) to ensure color uniformity.

PRODUCT APPLICATION (cont.)

DRY AND RECOAT

Dry and recoat times are based on 70°F and 50% relative humidity. Lower temperatures and higher humidity will increase dry time. Flexible Primer & Finish will dry to the touch in 4 hours. Allow the first coat to dry a minimum of 2 hours before applying the second coat. Apply the second coat only after the first coat has completely dried. Full cure will be reached in 7 days (slightly longer if tinted). If used outside, protect from rain for 8 hours after application.

CLEAN UP

Clean hands and tools with soapy water. Drips and runs should be removed immediately. Once dry, drips and runs can be removed by sanding or stripping.

LIMITATIONS

Flexible Primer & Finish does not hold back hydrostatic water pressure. It is NOT recommended for use in swimming pools or use in contact with potable water. It is NOT recommended for use on horizontal surfaces (i.e. subfloors). Do not use on glazed or non-porous surfaces.

	TECHNICAL DATA	WRT-04
	ZINSSER® WATERTITE® FLEXIBLE PRIMER & FINISH	

PHYSICAL PROPERTIES

		WHITE TINT BASE	DEEP TINT BASE
Resin Type		Acrylic Latex	Acrylic Latex
Pigment Type		Titanium Dioxide, Aluminum Silicate	Titanium Dioxide, Aluminum Silicate
Solvents		Glycol Ethers, Texanol, Water	Glycol Ethers, Texanol, Water
Weight	Per Gallon	12.7 lbs.	12.1 lbs.
	Per Liter	1.52 kg	1.45 kg
Solids	By Weight	67.8%	64.9%
	By Volume	51.1%	49.0%
Volatile Organic Compounds		<50 g/l (0.42 lbs./gal.)	<50 g/l (0.42 lbs./gal.)
Recommended Dry Film Thickness (DFT) per Coat		5.0-6.0 mils (125-150µ) per coat	5.0-6.0 mils (125-150µ) per coat
Wet Film to Achieve DFT (Unthinned material)		10.0-12.0 mils (250-300µ) per coat	10.0-12.0 mils (250-300µ) per coat
Theoretical Coverage at 1 mil DFT (25µ)		820 sq. ft./gal. (20.2 m ² /l)	787 sq. ft./gal. (19.4 m ² /l)
Practical Coverage at Recommended DFT (assume 15% material loss)		100-135 sq. ft./gal. (2.46-3.32 m ² /l) Coverage may change depending on porosity and application method.	100-135 sq. ft./gal. (2.46-3.32 m ² /l) Coverage may change depending on porosity and application method
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	4 hours	4 hours
	Handle	8 hours	8 hours
	Recoat	2 hours	2 hours
	Full Cure	7 days	7 days
Shelf Life		3 years	3 years
Flash Point		>200°F (93°C)	>200°F (93°C)
Safety Information		For additional information, see SDS	

Calculated values are shown and may vary from the actual manufactured material.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.