WATERTITE® LV MOLD & MILDEW-PROOF CONCRETE MASONRY PAINT

DESCRIPTION AND USES

Zinsser® WaterTite® Waterproofing Concrete Masonry Paint is a latex-based waterproofing paint for concrete and masonry surfaces. It forms an impermeable barrier to water on interior and exterior, vertical or horizontal, concrete block, cast-in-place concrete and cementitious stucco. It stops moisture from entering basement or cellar walls and when applied to canals or holding basins, it stops water from exiting into the substrate.

A single coat can be applied as a primer or finish to fill porosity and micro-cracks common to stucco, cat-in-place concrete and block. It is an excellent block filler for use in wet areas where epoxy finishes are to be applied such as car washes, restrooms, etc. A two-coat application provides waterproofing protection against wind driven rain and resists 12 psi of hydrostatic pressure, sufficient to protect surfaces 24 feet below the surface. (Tested by an independent lab per ASTM D-7088).

PRODUCTS

SKU	Container Size
5051	1-Gallon (White)
5053	3-Gallon (White)

FEATURES

- Interior/Exterior water-based, low VOC, low odor
- Tintable
- Fills micro-cracks and hides blemishes
- Self priming finish or may be top coated latex or epoxy
- Stops 12 psi hydrostatic pressure
- Resists efflorescence
- Paint new concrete in 14 days, recoat in 2 hours

PRODUCT APPLICATION

SURFACE PREPARATION

Surfaces must be clean, dry, and sound. New concrete must cure for at least 14 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 LV 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.

PRODUCT APPLICATION (cont.)

Clean porous surfaces like uncoated concrete block by sweeping or blowing down with oil-free, compressed air. Clean dense substrates like cast-in-place concrete by power washing. If surfaces are pressure washed, allow to dry three days prior to coating. Remove exterior mildew with Jomax® House Cleaner & Mildew Killer or equivalent. Remove efflorescence with WaterTite Etch®, sulfamic acid or equivalent. Rinse the surface thoroughly after chemical cleaning**.** Un-rinsed acid salts may cause premature coating failure. Surface can be damp but not glistening with water at time of application.

Soundness of Surface - The surface of concrete 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. Cracks and joints must be sealed with WaterTite Hydraulic (15 minute dry time) and/or WaterTite Polyurethane Sealant (72 hour cure) or equivalent products. When waterproofing exterior, above grade walls, parapet walls must be capped and the backside sealed with a flexible waterproofing membrane. WaterTite LV 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.

APPLICATION

Mix thoroughly to ensure any settled pigment is re-dispersed before application. DO NOT THIN. Apply only when air, material, and surface temperatures are between 50-90ºF (10-32ºC) and the relative humidity is or less than 85%. Apply one or two coats of WaterTite LV depending on the surface and job requirements to form a continuous pin-hole free coating. Apply the first coat using a high quality synthetic brush or ¾" nap roller. If using a roller, 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. The second coat can be rolled or brushed on. On very porous or rough surfaces, a third coat may be required if pin-holes are evident.

PRODUCT APPLICATION (cont.)

COLOR/TINTING

WaterTite produces a white finish with a slight texture. It can be tinted to medium colors using up to 2.0 ounces of universal colorant per gallon. The first coat should not be tinted when used for waterproofing.

Coverage Estimates Square feet per Gallon A test application is recommended	Primer/Finish	Hydrostatic Waterproofing	
	1 or 2 coats	1st coat	2nd coat
Concrete - Smooth	250	200	200
Concrete – Rough	200	150	200
Concrete Block - Smooth	200	150	200
Previously Painted	200	125	150
Aluminum Siding	250	200	200

DRY & RECOAT

Dry and recoat times are based on 70°F and 50% relative humidity. Lower temperatures and higher humidity will increase dry time. WaterTite LV will dry to the touch in 1 hour. 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

WaterTite LV is not elastomeric and will not expand and contract with movement in the substrate and will not provide protection against moisture penetration through cracks in mortar, expansion joints or junctures between dissimilar materials. WaterTite LV will not penetrate and fill in inaccessible surfaces such as unopened bug-holes, raked mortar joints, etc. It is NOT recommended for use in swimming pools or use in contact with potable water. Do not use on glazed or non-porous surfaces.

TECHNICAL DATA

WATERTITE® LV MOLD & MILDEW-PROOF CONCRETE MASONRY PAINT

PHYSICAL PROPERTIES

		WATERTITE LV WATERPROOFING CONCRETE AND MASONRY PAINT
Resin Type		Styrene Acrylic Copolymer
Pigment Type		Titanium Dioxide, Wollastonite
Solvents		Glycol Ethers, Water
Weight	**Per Gallon**	11.2 lbs.
	Per Liter	1.34 kg
Solids	**By Weight**	67.2%
	By Volume	55.7%
Volatile Organic Compounds		<100 g/l (0.83 lbs./gal.)
Recommended Dry Film Thickness (DFT) per Coat		3.0-5.0 mils (75-125µ) per coat
Wet Film to Achieve DFT (Unthinned material)		6.0-10.0 mils (150-250µ) per coat
Theoretical Coverage at 1 mil DFT (25µ)		893 sq.ft./gal. (22.0 m^2/l)
Practical Coverage at Recommended DFT (assume 15% material loss)		150-250 sq.ft./gal. (3.7-6.2 m^2/l) Coverage may change depending on porosity and application method
Dry Times at 70°F (21ºC) and 50% Relative Humidity	**Touch**	1 hour
	Recoat	2 hours
	Full Cure	7 days
Shelf Life		2 years
Flash Point		>200ºF (93ºC)
Safety Information		For additional information, see MSDS

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