



PERMALOK
HIGH PERFORMANCE
WATERPROOFING COATING
01324 / 01325 / 01326 / 01327

PRODUCT DATA

GENERIC TYPE: High Build 100% Acrylic

DESCRIPTION: Permalok High Performance Waterproofing Coating is an exterior high build coating designed for above grade masonry substrates requiring high performance protection. This product provides excellent flexibility, durability, and is alkali and efflorescence resistant. It passes TTC-555B and ASTM D6904-3 for wind driven rain.

RECOMMENDED USES: Ideal for use on brick, concrete, concrete block (CMU), masonry, fiber cement, stucco, or EIFS. May be used on incidental primed wood and metal. Recommended for use on tilt-up buildings, hotels, resorts, condominiums, hospitals, schools, concrete parking garage overheads, and residential homes.

Features:

- Resists Wind Driven Rain
- Water Vapor Permeance
- Alkali Resistance
- High Build
- Efflorescence Resistance
- Elongation
- Mildew Resistant
- UV Resistance
- Crack Bridging
- Application to 35°F

Benefits:

- Can be applied to fresh concrete at least 7 days
- Applied to surfaces with pH up to 13
- Prevents moisture damage

Physical Properties:

- Wind Driven Rain.....Passes ASTM D6904-03
- Elongation.....Passes ASTM D2370
77°F 184%, 32°F 112%
- Tensile Strength.....Passes ASTM D2370
77°F 205, 32°F 420
- Flexibility.....Passes ASTM D1734
- Water Vapor Permanence...Passes ASTM D1653
10.2 Perms
- Mildew Resistance.....Passes ASTM D3273/4
- Alkali Resistance.....Passes ASTM D1308

PHYSICAL CHARACTERISTICS

- Colors:** Full Range
- Vehicle Type:** 100% Acrylic
- VOC/VOS:** Less than 50 g/L, 0.4 lb. /gal
- Volume Solids (Avg.):** 45% ± 2%
- Weight Solids (Avg.):** 61% ± 2%
- Viscosity:** 100 - 105 KU
- Elongation:** at 75°F 185%, 0°F 110%
- Suggested Film Thickness:**
Minimum wet film 14-18 mils
Minimum dry film 6.1- 8.1 mils
- Theoretical Coverage per Gallon:**
80 - 110 sq. ft. per Gallon
- Gloss Level:** 3-5 @ 60°
- Sheen:** 1-3 @ 85°
- Drying Time @ 77°F & 50% R.H.:**
- To Touch:** 4 Hours
- Recoat:** 24 - 36 hours. Allow additional drying time during humid or cooler weather.
- Min. Surface/Air Temperature at Application:** 35°F.
- Max. Surface/Air Temperature at Application:** 110°F.
- Flash Point:** N/A
- Application:** Spray, Roller, Brush
- Thinning:** Not Recommended
- Clean Up:** Warm Water and Detergent. Flush equipment with compliant solvent to prevent rusting of equipment.
- Packaging:** One or Five Gallon
- Weight per Gallon:** 11.1 – 11.9 lb. /gal

- Crack Bridging..... Class A5
77°F 47%, 0°F 31%
- Flexibility Mandrel Bend.... Passes ASTM D522
77°F (1/8"), 0°F (1/8")

GREEN WISE®	LEED	SCAQMD	OTC
NO	YES	YES	YES

APPLICATION INSTRUCTIONS

For the following surfaces, prime as indicated and finish with 2 coats of McCormick Permalok High Performance Waterproofing Coating 01321

SURFACE PREPARATION

Patching and Sealing: All voids and cracks should be patched with either an elastomeric patching compound or McCormick Flex-Seal Elastomeric sealants, whichever is most appropriate. All expansion and control joints, etc. should be sealed with McCormick Flex-Seal Elastomeric Sealant. Cracked mortar joints should be replaced and tuck-pointed with new mortar.

Previously Painted Surfaces: All surfaces must be internally dry and thoroughly clean and free from dirt, grease, excessive chalk, efflorescence, form release agents, loose paints, and other foreign matter. Remove mildew by scrubbing with an EPA registered solution to kill mildew or mold bacteria. Rinse with clean water and allow to dry thoroughly.

Concrete and Masonry: New Concrete, Stucco, Concrete Block (CMU) substrates should cure 7 – 14 days. Allow additional curing time during humid or cooler weather. New masonry should have a pH of 13 or less. Prime with McCormick Permalok 100% Acrylic Masonry and Concrete Primer 06451. Seal chalky or porous masonry with McCormick Permalok Interior/Exterior Acrylic Surface Conditioner 01322.

APPLICATION

Make sure the paint is thoroughly mixed. Spray application is highly recommended to achieve the proper wet film build. If brush or roller application is required use a quality synthetic filament brush. For roller application use a ¾"- 1½" nap synthetic roller cover. Do not apply if material, substrate or ambient temperature is below 35°F or above 110°F. Relative humidity should be below 90%. Apply two coats at 14-18 mils wet film build to achieve 6-8 mils dry film thickness per coat.

AIRLESS SPRAY

Apply using a piston pump having a flow rate of 1¼ GPM or higher, and able to deliver 3000 psi.

APPLICATION EQUIPMENT

- Manufacturers listed below are a guide. Others may be used. Changes in pressure and tip size may be required to achieve proper application.

Airless Spray:

Pump: Graco / Titan

High Pressure Filter: 30 Mesh

Airless Hose: ¼" or ⅜" I.D.

Tips: 0.23"- 0.031"

Minimum pressure to avoid fingering: 3000 psi

CAUTIONS --- Lead Hazard: 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.

CONTAINS CRYSTALLINE SILICA IN AN ENCAPSULATED

STATE: If the dry paint film is sanded, the dust emitted can contain crystalline silica which has been shown to cause cancer under long term exposure. **USE ONLY WITH ADEQUATE VENTILATION.** Wear appropriate respiratory protection when sanding or spraying this product. To avoid breathing vapors or spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, wear respiratory protection (NIOSH/MSHA TC23C or equivalent) or leave the area. Avoid contact with eyes and skin.

First Aid: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately.

CONTAINER LABELING COMPLIES WITH APPLICABLE STATE RIGHT-TO-KNOW ACTS. For additional safety and health information, please refer to the Safety Data Sheet (SDS).

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MANUFACTURED BY:

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PRODUCT DATA SHEET