



PRODUCT DATA SHEET

DRYLOK® E1 1-PART EPOXY FLOOR PAINT

DESCRIPTION

DRYLOK E1 1-Part Epoxy Floor Paint utilizes an Advanced Epoxy Technology for greater protection and durability.

Specially formulated to protect and beautify interior and exterior concrete floors, garage floors, basement floors, shop floors, walkways, and patios. Not recommended for floors previously painted with 2 component epoxy paints.

SURFACE PREP

The success of your project is dependent upon the degree of surface preparation provided. Surface must be clean and free from dirt, dust, grease, oil, soap, wax, concrete curing membranes and the oily film left by sweeping compounds. Stains on the surface should be removed using UGL DRYLOK Concrete Cleaner & Degreaser or a heavy duty detergent until the surface is clean. Rinse thoroughly with clean water and allow to dry completely. If using a pressure washer, do not use on a pressure setting above 1750 psi to avoid damaging the concrete. Remember concrete acts like a "stone sponge." Pressure washing and cleaning in general may trap residual moisture in the concrete.

Check for Trapped Moisture, tape a 12" x 12" piece of 3 mil plastic or aluminum foil tightly on all four edges to the surface. Remove it after 24 hours. If the floor side of the plastic or foil is damp allow additional drying and then repeat the test.

A dehumidifier or fan may help to eliminate residual trapped moisture. The concrete to be painted should have a slight texture, such as the look and feel of 150 grit sandpaper or a broom finish. A clean, thoroughly dry, broom finished surface

is ready to paint. Highly troweled or extremely smooth concrete must be acid etched (see below) or mechanically abraded for proper E-1 adhesion.

New/Unpainted Surfaces New concrete must cure for 30 days. For best results new concrete should be washed and scrubbed thoroughly to remove any surface contaminants. Allow to dry completely.

Acid Etching: Acid etching will dissolve certain minerals in the top layer of concrete, creating a more porous surface for improved penetration. To etch concrete, pre-dampen the entire surface then use DRYLOK Liquid Etch according to label directions until the surface has the look and feel of 150-grit sandpaper. The acid etching process may be repeated until the desired texture is achieved. Test the concrete's porosity by sprinkling a few drops of water on the surface. If the water droplets do not readily penetrate into the prepared concrete, additional acid etching is required. All residual acid must be removed from the surface, rinse thoroughly and allow to dry, (see "Check for Trapped Moisture" above) prior to application of the DRYLOK E1 1-Part Epoxy Floor Paint. On areas that have had efflorescence (salt-like deposit) problems or exposure to excess levels of salt compounds, it is recommended that DRYLOK Concrete Protector, be applied according to label directions prior to application of the DRYLOK E1 1-Part Epoxy Floor Paint.

Old Weathered or Previously Painted Surfaces: Remove peeling paint and clean as above in surface preparation section. Mildew should be removed using a suitable mildew remover. Allow to dry completely. Glossy painted surfaces must be

dulled or sanded to improve adhesion. Do not apply over 2 component epoxy coatings.

APPLICATION

Stir thoroughly before and during application. Air and surface temperature must be above 50°F during application and for a minimum of 4 hours after application. **Do not thin.** Apply an even coat using a 3/8" nap roller or nylon polyester brush. Do not paint in direct sunlight or apply to a hot surface. Provide good ventilation for normal drying. Allow first coat to dry 4 hours prior to applying second coat. High humidity and low temperatures may require longer drying times. The second coat should be applied in a cross direction to the first coat to achieve color uniformity. Do not apply more than 2 coats. When using 2 or more containers of the same color of DRYLOK E1 1-Part Epoxy Floor Paint, mix together to assure color uniformity. Note: Painted surfaces may become slippery when wet. If a slip resistant surface is desired add 4 oz. of DRYLOK E1 Non-Skid Additive per gallon of DRYLOK E1 1-Part Epoxy Floor Paint.

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IMPORTANT

Floors that are subjected to hydrostatic pressure (water seeping from underneath the floor) or are continually damp cannot be satisfactorily painted with any paint or coating. Moisture on basement floor caused by water seeping through masonry walls or through floor-wall joints or cracks must first be eliminated. Use DRYLOK Fast Plug, a quick setting hydraulic cement, to fill floor-wall joints or cracks, and DRYLOK Masonry Waterproofer to seal masonry walls. In addition, outside work may be required to eliminate water infiltration.

CLEAN-UP

Clean application tools immediately after use with warm soapy water.

CAUTION

Avoid prolonged contact with skin or breathing of spray mist. Close container after each use. Keep from freezing. Use adequate ventilation. **KEEP OUT OF REACH OF CHILDREN.** Please read the Material Safety Data Sheet for additional information.

TECHNICAL DATA

Viscosity 70 to 75 Ku
pH 8.0 to 9.0
% Solids by Weight 37 TO 39
% Solids by Volume 26 TO 28
Coverage 300 to 400 ft.²/Gallon/
Coat
Recommended film thickness/coat
4 to 5 wet mils

Dry time (to touch)* 30 minutes to
1 hour

Dry time (to recoat)* 4 hours
Dry time (vehicular traffic)* 5 to 7
days

Subject to light usage after 4
hours, heavy usage after 24 hours.
Achieves maximum resistance
properties in 3 to 5 days.
VOC Content <250 g/L

Semi-Gloss 55 to 65 at 60°**

*Dry time is dependent upon temperature and humidity. Apply when temperature is between 50°F and 90°F and relative humidity is below 60%.

**Surface appearance depends upon condition and porosity of concrete/masonry surface. Highly porous masonry/concrete may require additional coats to achieve full gloss.

AVAILABILITY

DRYLOK E1 1-Part Epoxy Floor Paint is available in gallon cans. The product comes in Arctic White, Slate Gray, Light Platinum and Natural Sand. It may be purchased at hardware stores, home centers, paint stores and lumberyards.

TINT

Do not tint.

LR11/10



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