



# Aqua-Proof Prep™

## Waterproofing & Crack Isolation Base Membrane (MD-859)

### Description

Lanco® Aqua-Proof™ Prep is a 1-part, ready to use, elastomeric waterproofing and crack prevention membrane. Its multi use nature makes it ideally suited for a wide variety of applications where a waterproofing solution is needed, such as: to repair cracks and leaks, seal joints and flashings, waterproof under tile and stone and as a waterproofing shower pan liner. This monolithic flexible membrane provides excellent performance when used as a base coat over existing surfaces and performs extremely well during continuous water immersion test. Can be used for interior or exterior, on horizontal or vertical surfaces for residential or commercial applications. Waterproofs concrete and protects from silage attack.

### Uses

Serves as a waterproof coating in exposed situations where tile or flooring is used on top, or as part of a repair system with other approved compatible coatings.

Floors - Under screeds (or above screeds) to provide a waterproof membrane. Do not use where excessive substrate moisture and/or where negative hydrostatic pressure exists. Basements - As part of a waterproofing system beneath ground level. Walls - Under render, vapor barrier or a plaster for water barrier.

Roofs - As a waterproofing coating under a roof sealer system or as part of a repair system. Must be top-coated with a compatible roof coating product, applied to manufacturer specification, within five days of application to protect from UV exposure.

Tiling - As secondary protection under tiles in wet areas e.g. bathrooms, food processing areas, balconies, etc. Water Storage - The membrane performs well, even when continuously immersed in water.

### Advantages

- Applied by brush, roller, trowel or spray.
- Non-toxic, hazardless and free of solvents or plasticizers.
- Quick drying. Typically touch-dry in one hour.
- Durable, highly flexible with excellent crack-bridging properties.
- Low water vapor permeability
- High alkalinity resistance
- Non staining and stain preventive

### Surface Preparation

The surface should be smooth or have a light even texture. Masonry should be flush pointed and defects in existing surfaces corrected. The surface should be clean, sound and free of dust, loose material or any other contaminants that would prevent adhesion. The primer / membrane should not be applied in wet conditions or where these conditions are likely to occur before the primer / membrane has dried. Apply when ambient and surface temperature is 50°F (10°C) and rising.

Note: For swimming pools or water collection tanks, use only as waterproof barrier coat before final plaster application. Never use as waterproofing barrier coat in direct contact with potable water.

### Technical Data

Percent Solids: 67.4 ±1% by weight  
57.00 ±1% by volume

Weight per Gallon: 11.01 ± 0.5 lbs.

Color: Light Blue

Drying Time: Touch-dry – 1 hour  
For recoating – 24 hour

Recommended Coverage:

*Concrete Decks and Tile Finish*

26-31 sq.ft. @30-35 dry mils,  
53-62 wet mils

\*Applied in two (2) coats.

*Roof Primer under Elastomeric White  
Roof Coating*

80 sq.ft. @ 11.4 dry mils,  
20 wet mils

\*Applied in one (1) coats.

*Crack Prevention Membrane (to meet  
ANSI A118.12)*

50 sq.ft. @ 18 dry mils,  
32 wet mils

\*Applied in two (2) coats.

*General Waterproof Membrane (to meet  
ANSI A118.10)*

80 sq.ft. @ 11.4 dry mils,  
20 wet mils

\*Applied in two (2) coats.

\* Spread rate is based on one(1)coat.  
Refer to application dictated per  
substrate for number(s) of coats  
required.

Available Sizes:

1 gal. and quarts containers

Thinning:

Do not thin. Use only as provided.

Flash Point: Non flammable

Finish: Flat (5°-10°)\*Geometry 60°

Viscosity: 120-135 Ku's

Percent (%)Pigment by Weight:

35% ± 1% P.H.

Theoretical Coverage:

Up to 915 sq.ft./gal.@ 1 mil thickness

Disclaimer: This technical data is true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without notice.

M.S.D.S. Available upon request.

## General Application

Important: Mix slowly to prevent incorporating air into product. Because of the wide variety of substrate types and site conditions, it is always advisable to check adhesion to the surface by testing on a sample area before starting any job. The primer / membrane may be applied by brush, roller or airless spray. NEVER THIN OR DILUTE FROM FULL STRENGTH. Care should be taken to ensure that the correct dry coat thickness is applied. Do not apply if air and surface temperature are expected to drop below 50°F degrees before the coating has completely dried. Do not apply if roof surface is above 120°F. If roof is too hot, spray with water, allow to dry and recoat before surface temperature rises above 120°F. Do not apply if rain is forecast within 6-8 hours. Do not apply after 4 PM. The thickness of the dried primer / membrane per coat depends on the method of application. For a single coat dry film thickness of more than 12 mils it is recommended to be applied by airless spray. Recommended coverage is 80 sqft per gallon at 11.4 mils dry film thickness (20.1 wet mils). Note: A single coat at 11.4 mils dry film thickness or more will require a longer drying time than an equivalent multi coat application. If two coats are being applied it is recommended that the coats be applied at right angles to each other. Dry time is controlled by the thickness of the applied coating, relative humidity and temperature. Apply second coat, after the first coat has dried completely (normally 1 hour, depending on conditions) or within 24 hours. After all coats have been applied, the primer / membrane should cure for at least 4 days before attempting any ponding tests. Under unfavorable drying conditions this period may need to be extended.

### RECOMMENDED EQUIPMENT:

Use airless pump with pressures of 1500-2000 PSI. A fluid delivery of 1-2 gallons per minute with a spray tip size of .026 - .035 will be adequate. The hoses should be at least 3/8" inside diameter, and should be of the high pressure rated type. If the hose length is more than 50 feet, a larger inside diameter will be required. Remove gun filters or strainer screens.

**CAUTION!** Hazardous if swallowed. Contains: Styrene Butadiene Resins. Use only with adequate ventilation. To avoid overexposure, 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, increase fresh air, or wear respiratory protection (NIOSH/MSHA TC23C or equivalent) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH/MSHA TC21C or equivalent). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

**FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed do not induce vomiting, get medical attention immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long-term exposure. **WARNING:** This product can expose you to chemicals which is/are known to the State of California to cause cancer, birth defects or reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

The information presented on this Technical Data Sheet is based on testing conducted by Lanco® Paints & Coatings. Information and recommendations are subject to change dependent on surface conditions (substrate), weather and method of application. Please consult with a Lanco Representative or visit [www.lancopro.com](http://www.lancopro.com).

