



Aqua-Proof™ MD-863

Waterproofing & Crack Isolation Base Membrane

Description

LANCO® Aqua-Proof™ liquid membrane of styrene /butadiene latex provides an easy alternative for many waterproofing applications as a base membrane. This monolithic membrane provides excellent performance when used as a base coat over existing surfaces and performs extremely well during continuous water immersion test. Waterproofs concrete and protects from silage attack.

Uses

Serves as a main waterproof coating or as part of a repair system. May be used under render and plaster or between concrete slabs as a weather or vapor barrier, and as a waterproofing system in below grade applications. For use above or below screeds to provide a damp-free membrane. It is recommended that the membrane be protected from UV radiation. May be used as a secondary protection under tiles in wet areas such as bathrooms, food processing areas, balconies and similar situations. It is very important to mix slowly to avoid excessive aeration of product.

Advantages

- Water based compound that may even be applied to damp substrates.
- 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 background surface should be smooth or with a slight, even, texture. All masonry should be flush pointed and masonry imperfections corrected. Surface must be clean, sound, and free of dust or loose material. Membrane should not be applied in wet conditions or if such condition is anticipated before membrane is dry. Membrane should not be applied when ambient and surface temperature is below 50°F.

Application

Membrane may be applied with brush, roller or airless spray. If necessary, the compound may be diluted with a maximum of 10% water. Care should be taken to ensure that the correct dry coat thickness is obtained.

The thickness per coat of the dried membrane depends on the method of application. For a single dry coat thickness of more than 0.3mm, airless spray is recommended. Using this method, a single dry coat thickness of up to 1.0mm may be obtained.

Note: A single dry coat thickness of more than 0.6mm will require longer drying time than equivalent multilayer coating. Multiple coats should be perpendicular to each other.

Before applying second coat, first coat must be touch-dry. Time required for this will vary according to local conditions, but is typically about one hour. Preferably, second coat should be applied within 24 hours of first coat. Membrane should be allowed to dry for at least four days before attempting water ponding tests. Unfavorable weather conditions may extend drying and curing time.

NOTE: Do not use as a waterproof barrier coat in direct contact with potable water.

Technical Data

Percent Solids:	57.00 ±1% by weight 51.00 ±1% by volume
Weight per Gallon:	9.18 ± 0.5 lbs.
Color:	Blue (Wet) Black (Dry)
Drying Time:	Touch-dry – 1 hour For recoating – 24 hour
Recommended Coverage:	80 sq.ft. @10.2 dry mils, 20.1 wet mils
Available Sizes:	5 gal. and 1 gal. containers
Thinning:	Do not thin. Use only as provided.
Flash Point:	Non flammable
Finish:	Flat (5°-10°) *Geometry 60°
Viscosity:	90-100 Ku's
Percent (%) Pigment by Weight:	15% ± 1% P.H. 8.5-9.0
Theoretical Coverage:	Up to 650 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.

Floors

Under screeds (or above screeds) to provide a damp proof membrane.

Basements

As part of a waterproofing system beneath ground level.

Walls

Can be used under render or plaster as a water barrier or vapor barrier.

Roofs

As the main waterproofing coating or as part of a repair system. It is recommended that the membrane is protected from UV.

Tiling

As secondary protection under tiles in wet areas e.g. bathrooms, food processing areas, balconies, etc.

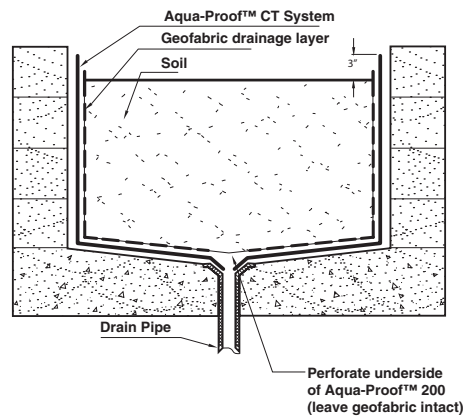
Water Storage

The membranes perform well in our tests even when continuously immersed in water.

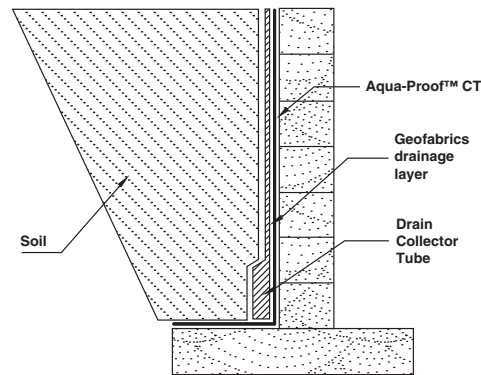
Silage Storage

The membrane protects concrete from silage attack.

Planter Box Detail



Retaining Wall Detail



Plaza Deck with Ceramic Tile Detail

