

Protech LAGM

LIQUID APPLIED GAS MEMBRANE

DESCRIPTION

Protech LAGM is a single pack, elastomeric liquid rubber membrane, specifically designed for a range of vertical and horizontal construction surfaces, as follows. Protech LAGM will cure to form a tough, flexible material acting as an effective barrier to the passage of vapour, damp, water, radon and methane gas.

TYPICAL APPLICATIONS

- To seal over pile caps as an accessory to the Protech GM range of membranes.
- Can be used to provide a gas resistant seal in 'hard to treat' areas where the Protech GM membranes cannot be used to seal.
- Can be applied, in layers, using a brush, roller or spray.

CHARACTERISTICS

- 1mm thick (dry film) coating provides an effective methane barrier when applied to most clay or cementitious base construction materials.
- Single pack system.
- Water based compounds that can be applied even to damp backgrounds.
- Non-toxic, non-hazardous, solvent and plasticiser free.
- Quick drying, touch dry in 1 hour.
- Bonds to many substrates.
- Toughness, high flexibility, extensibility and crack bridging properties.
- Low water vapour permeability.
- Alkali resistant. Can be applied to alkaline surfaces.
- Resistant to silage acids.
- Non staining and stain blocking.
- Available colour; Green.

PERFORMANCE CRITERIA

Gas Transmission Rate:

This test was carried out using the method ISO 15105-1.

Test Results

Trade Name / Identification	Methane Transmission Rate / ml/m ² .day.atm
Protech LAGM	19.9

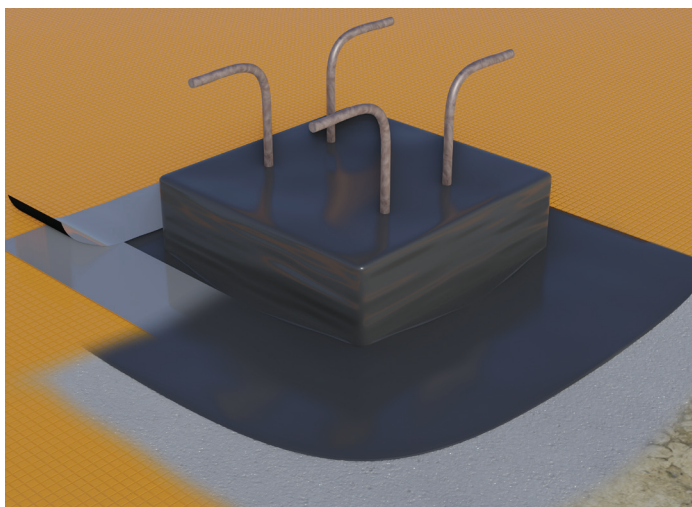
PRODUCT DATA

According to standard BS EN 1504-2:2004

Components	I
Form	Elastomeric Liquid Rubber
Application Temp	+ 7°C
Toxicity	Non - toxic
Thickness	Minimum 1 mm (applied in two layers).
Size	15 kg
Cured Properties	
Adhesion to concrete	1.1N/mm ²
Elongation	350%
Tensile Strength	4 N/mm ²

APPLICATION GUIDELINES

- Surfaces must be clean, free from dust and loose material, oil, paint, fungal growth, etc
- Non-structural cracks > 0.5mm wide must be filled
- The substrate must be sound and ideally present a smooth face
- Newly laid concrete should have a clean textured surface
- Apply 45° fillets onto angles formed of fillet seal where practicable
- Can be applied by brush, roller or airless spray



PREPARATION PRIOR TO USE

Protech LAGM is supplied ready blended in a pail. The product requires agitation using a slow speed paddle mixer. Mix carefully for 5 minutes before use. If containers are stored for more than 2 hours after opening, reagitrate.

Do not add water.

SURFACE APPLICATION

1. Pre-dampen (not wet) the substrate before applying the first coat.
2. Ensure adequate application of the Protech LAGM to allow a minimum 150mm, overlap zone.
3. Site applicable Protech GM membrane should be installed with a minimum 150mm overlap onto the Protech LAGM and sealed using Protech GM Jointing Tape and/or Protech Flashing Tape.

Application of the main coating system

1. The product can be applied by stiff brush, roller or airless spray with a minimum 17 thousands of an inch nozzle. The spray method is especially suitable for less accessible locations and uneven substrates.
2. Methane protection is achieved by applying in layers, a minimum thickness of 1mm, allowing each coat to thoroughly dry and cure through before applying the next. Be especially careful to achieve the dry film thickness of 1.0mm over the entire surface, remembering that peaks and edges may not be the full thickness. Application to vertical surfaces may result in sagging or runs, in such cases, four thinner coats should be applied with attention to the evenness of each coat. Preparation is paramount and hard edges and exposed aggregate must be removed where possible, or compensated for.
3. Total coverage for methane protection should be 7.5m² / 15kg tin
4. Protect from frost and rain.
5. Only apply when temperature is 7°C and rising.

SPECIFICATION

NBS: Clause J30 J10, J30 – Liquid applied Damp Proofing
Type A Barrier Protection in Accordance with BS8102 (2009).

PACKAGING

Protech LAGM is supplied in a 15kg tin.

STORAGE

Protech LAGM must be stored at temperatures above 5°C and below 35°C in dry conditions, off the ground and away from direct sunlight. The shelf life is 12 months in original unopened packaging when stored correctly.

HEALTH & SAFETY

- Protect hands with rubber gloves.
- Avoid contact with skin and eyes. Should this occur flush with plenty of clean water.
- If irritation persists, seek professional medical advice.
- For full information consult the relevant Material Safety Data Sheet.



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Revised June 2025

Version 1.005

Next review due June 2026