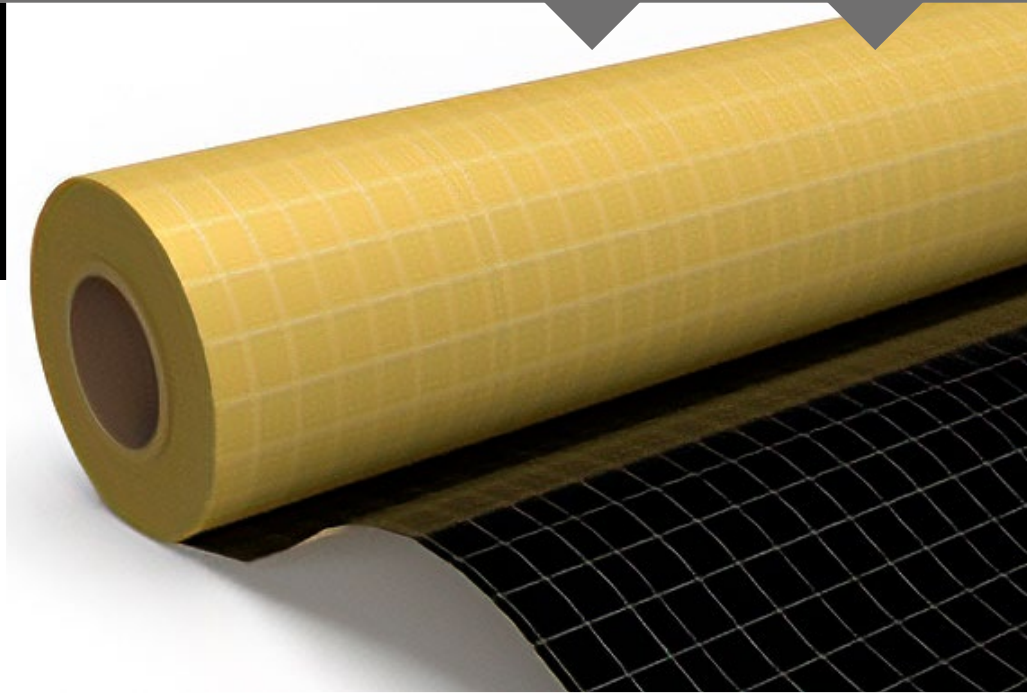


WYKAMOL GAS BARRIER

Gas barrier membrane

Virgin polymer,
reinforced, multi
laminate membrane
with aluminum core



Wykamol Gas Barrier is a high quality, virgin polymer, reinforced multi-layered gas membrane manufactured with an aluminum core.

Wykamol Gas Barrier is designed to resist Radon, CO₂, and Methane. Wykamol Gas Barrier also acts as a DPM. Wykamol Gas Barrier will prevent these harmful ground gases from entering the structure when fully sealed.

BENEFITS

- Designed to resist Radon, CO₂, Methane
- Prevents build up moisture entering the building. Acts as a DPM
- Complies with CS2 and above in accordance with BS8485:2015+A1:2019.
- Achieves 2 points for the ground gas membrane in accordance with CIRIA 735 when independently verified.
- Loose-laid membrane that is quick and easy to install.

LIMITATIONS

- Must not be used in waterproofing applications or in the presence of hydrostatic pressure. In the event waterproofing and gas protection are required, please refer to **Wykamol Quadproof Ultra** Membrane PDS

ANCILLARY PRODUCTS

- **Wykamol GR Foil** is a Self-Adhesive Ground Gas Membrane with aluminum core for sealing internal/external corners, pipe penetrations and site specific detailing.
- **Wykamol Gas Tape** for sealing inside joints between sheets of Wykamol Gas Barrier.
- **Wykamol GR Foil Tape** for sealing overlaps in joints between sheets of Wykamol Gas Barrier.

TECHNICAL DATASHEET

TECHNICAL DATA

Confirms to BRE211 (2023), NHBC Technical Guidance and BS8485:2015+A1:2019

INSTALLATION

Prior to installation, ensure the substrate is smooth and free from sharp materials in the ground that may puncture the membrane. Suitable substrates include, smooth compressed earth, 50mm sand blinding, 50mm concrete blinding with a smooth float finish, clean suspended block and beam floor, concrete raft slab or floor insulation.

Wykamol Gas Barrier can be taped or hot welded:

- Taped Joints to be sealed with **Wykamol Gas Tape** (50mm x 10M Rolls) inside the joint and **Wykamol GR Foil Tape** on the overlap(s). Ensure that all gas tapes form a continuous tight seal between each piece of tape to prevent any gas permeating the system.
- For heat welding, **Wykamol Gas Barrier** can be welded using a Leister Triac or similar heat gun appliance. Ensure minimum 100mm overlap in between the sheets of membrane prior to heat welding.

Note: Installation and hot welding should be carried out as per NVQ Level 2 Ground Gas Membrane Installation.

When installing **Wykamol Gas Barrier** membrane where Pipe Penetrations, Internal/External Corner, Door Thresholds, Window Bays, and Steel Stanchions are present, these must be reinforced and sealed using **Wykamol GR Foil** as per the requirements of NVQ Level 2 Ground Gas Membrane Installation.

During the installation and post completion, ensure the membrane is protected from damage. This can be in the form of preventing access to the area of the installation, covering with insulation or screed before allowing foot traffic into the area. If in the event the membrane does become damaged, it must be removed and replaced.

Installation should be carried out to meet the requirements of CIRIA 735. If a planning condition attached to your project requires a ground gas protection system installed, ensure Independent Verification is carried out as per CIRIA 735. Wykamol Group can provide contact details for independent validators if necessary.

PHYSICAL PROPERTIES

Product 2m wide single wound membrane to ensure there are no folds within the membrane.

Dimensions	2m x 50m (100m ²)
Thickness	0.4mm
Colour	Black and yellow (Install Black side facing up)

HEALTH AND SAFETY

Please refer to **Wykamol Gas Barrier** MSDS for further information on health and safety.

For technical support please contact our technical team at info@wykamol.com or info@tritonsystems.co.uk.

Alternatively, please contact your local technical sales representative.

SPECIFICATION

TEST NAME	TEST METHOD	PARAMETER	VALUE	UNIT
Composition	ISO 2286-2	Coex Foil	138	gr/m ²
		PE	15	gr/m ²
		PP Fabric	13	gr/m ²
		PE	25	gr/m ²
		Aluminium 20µm	55	gr/m ²
		Coex Foil	138	gr/m ²
		PE	15	gr/m ²
		PE	25	gr/m ²
Total Weight			424	gr/m²

TECHNICAL DATASHEET

TEST CERTIFICATE

TEST NAME	TEST METHOD	PARAMETER	VALUE	UNIT
Total Weight	NEN1849-2	Total Weight	424	gr/m ²
Tensile Strength	NEN 12311	Elongation CD	20.6	%
		Strength	488	N/50mm
		Elongation MD	19.4	%
		Strength MD	559	N/50mm
Nail Tear	NEN 12310	Tear Strength CD	504	N
		Tear Strength MD	432	N
Thickness	ISO 2286-3	Overall Thickness	0.56	mm
		Minimum Thickness	0.4	mm

COMPLIES WITH BS8485: 2015+A1:2019

Test	Value	Pass/Fail
Thickness	0.4mm	Pass
Single wound (no folds)		Pass
Methane Gas transmission test: method EN15105-1	<40ml/24hr/m ²	Pass

Roll Size: 2 x 50m

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