

WYKAMOL GR FOIL



High performance self-adhesive bituminous waterproofing membrane that prevents Radon, Methane, Carbon Dioxide, and vapour entering the structure



Wykamol GR Foil high performance self-adhesive bituminous waterproofing membrane that prevents Radon, Methane, Carbon Dioxide, and vapour entering the structure. The polyester reinforced aluminum layer provides a robust gas protection system suitable for CS2 and above in accordance with BS8485:2015+A1:2019.

Wykamol GR Foil can be used in below ground waterproofing applications and is classed as a Type A post-applied barrier system in accordance with BS8102:2022.

USES

- Where protection from Radon, Methane or Carbon Dioxide is required, above or below ground.
- Sealing of internal/external corners, pipe penetrations, door thresholds, window bays, and steel stanchions.
- Can be used in conjunction with **Wykamol Gas Barrier** for site specific detailing.
- Below Ground Waterproofing membrane to retaining walls, basements, lift pits, and foundations.

PHYSICAL PROPERTIES

- 1m wide rolls with no folds.
- Dimensions: 25m x 1m (25m²) Thickness: 1.2mm
- Product Colour: Silver/Black

LIMITATIONS

Do not apply in heavy rain, to wet surfaces or below 5 degrees celsius.

TECHNICAL DATASHEET

INSTALLATION

Prior to installation of **Wykamol GR Foil**, ensure the substrate is dry and clear of dust, debris, dirt and other impurities. When installing directly onto a concrete, concrete block or brick (both with flush finished pointing), apply **Wykamol Gas Primer** to the surface and allow the product to turn tacky before installing **Wykamol GR Foil**. Subject to weather conditions, **Wykamol Gas Primer** can take 30 minutes to 2 hours to become tacky / sticky.

Wykamol GR Foil should be installed by laying the rolls from the highest point of the building and working your way downwards, whilst being careful not to create counter-gradient overlaps. Ensure the release paper on the back of the membrane is removed, exposing the bituminous adhesive backing before applying the **Wykamol GR Foil**. Install black side down.

Wykamol GR Foil must be overlapped at the edges by at least 100mm (minimum). A primer is not required to stick down membrane overlaps but the membrane must be clean and dry.

Note: Post installation, ensure the membrane overlaps are pressed down firmly, whilst being very careful to ensure all air bubbles and creases are removed as pressure is placed on top of the system.

Wykamol GR Foil must be protected before being backfilled, using **Wykamol Sheet Drain**, **Wykamol CM8** or **CM20 Geotextile**, Insulation, or other protection board(s). In the event **Wykamol GR Foil** becomes damaged the membrane must be replaced or suitably patch repaired.

Wykamol GR Foil can also be cut down to seal internal/external corners, pipe penetrations, site specific detailing in accordance with NVQ Level2 Ground Gas Membrane Installation.

In accordance with NVQ Level 2 Ground Gas Membrane Installation, extra heat can be applied to improve the bonding of **Wykamol GR Foil**.

ANCILLARY PRODUCTS

- **Wykamol Gas Primer** - To prepare concrete, block, brick, steel or other non-membrane materials.
- **Wykamol Gas Barrier** - Sealing site specific detailing, such as corners, pipe penetrations and steel stanchions when used in accordance with NVQ Level 2 Ground Gas Membrane Installation.

STORAGE

Wykamol GR Foil must be stored in the original unopened package, in a dry / well-ventilated space at temperatures between +5 Degrees and 40 Degrees. Storage over 50 Degrees may lead to difficulty in removing the release protective lining of the self-adhesive material.

Wykamol GR Foil has a minimum shelf life of 12 months from the date of production.

HEALTH AND SAFETY

Please refer to **Wykamol GR Foil** 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.



TECHNICAL DATASHEET

CHARACTERISTICS	VALUES	TEST
Thickness	1.2 mm	N 1849-1
Tensile Strength	Long. 185 N/50mm Trans. 200 N/50mm	EN 12311-1
Elongation at Break	Long. 10% Trans. 20%	EN 12311-1
Static Load Resistance	Met. A 15 Kg Met. B 20 Kg	EN 12730
Tear Resistance	Long. 45 N Trans. 45 N	EN 12310-1
Peel Resistance of Joints	80 N/50mm	EN 12316-1
Shear Resistance of Joints	Long. 220 N/50mm Trans. 260 N/50mm	EN 12317-1
Impermeability	Pass (≥ 60 Kpa)	EN 1928
Water Vapour Impermeability	Pass (Sd ≥ 1500 m)	ISO EN 12572
Radon Transmission Rate	0.47 x 10 ⁻⁹ m/s	SP Swedish National
Permeability to Radon Gas	0.56 x 10 ⁻¹² m ² /s	Testing & Research Institute
Permeability to Methane Gas	<5.0cc/m ² /24h/atm	EN 15105-1
Application Temperature	0°C * / +30°C	-
Service Temperature	-30°C / +80°C	-

* For temperatures below 5 °C, it is recommended to use special and additional precautions to facilitate adhesion (for example a specific primer for low temperatures).

TEST

Complying with: EN 13969 type A e T; EN 13970; EN 13707

Total Volatile Organic Compound emissions (TVOC): 8 µg/m³ (ISO 16000-6)

Classification for transport: Not Applicable

Reaction to fire: E (EN 13501 - 1)

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