



HYDROPRUFE 8000

GAS RESISTANT SELF-ADHESIVE MEMBRANE

DESCRIPTION

HYDROPRUFE 8000 is a high performance, cold applied waterproof and gas resistant self-adhesive membrane manufactured from an aluminium/polyethylene laminate coated on one surface with a layer of polymer modified Bitumen adhesive. It is suitable for application to masonry concrete and other substrates to provide an effective barrier to both water and ground gases.

USES

HYDROPRUFE 8000 is used as a self-adhesive membrane for application to substructures where resistance to both groundwater and ground gases is required. HYDROPRUFE 8000 provides adequate resistance to methane, carbon dioxide and radon gas. It is designed for application to basements, underground car parks, tunnels, lift pits and other substructures, where full protection is required.

ADVANTAGES

- Rapid and easy cold application to substrates.
- Aluminium laminate provides superior resistance to ground gas.
- Conforms to BS 8485:2015-A1:2019
- Effective resistance to a 6 M head of water when fully supported.
- Excellent adhesion to a wide variety of substrates.

PROCEDURE

Surface Preparation: The substrate to which the membrane is to be applied, should be smooth and free from excessive undulation and sharp projections, which may puncture the membrane. Concrete substrate should be dry and free from dust and other deleterious materials. A mortar corner fillet should be formed at any internal corner junctions to allow ease of application of the membrane. Allow the mortar fillet to harden before application of the membrane.

Priming: Apply HYDROPRUFE PRIMER by roller, brush or spray application at a nominal rate of 6-8m² per ltr and allow to completely dry before the application of the membrane commences.

Application: The release paper should be removed from the first 500mm of the HYDROPRUFE 8000 membrane before being pressed firmly into position to ensure no air pockets are formed. Application of the roll is then completed by continuing to remove the release paper and applying pressure to ensure the membrane is well bonded to the substrate. Adjacent sheets of membrane should lap by a minimum of 50mm, this lap is an addition to any over-lap onto the selvedge. Prior to lapping onto an adjacent sheet, the release strip protecting the selvedge should be removed. Joints should be firmly rolled to ensure a watertight seal between the 2 sheets. The membrane should be immediately protected using PREMCRETE PROTECTION BOARD 600 to prevent damage during backfill or by following trades.



HARMONISED TECHNICAL SPECIFICATION

EN 13967:2013 PRODUCT TYPE T

PROPERTIES

| Property | Test Method | Value |
|---|-----------------------|---|
| Water tightness to liquid water | EN 1928 | Pass |
| Resistance to Static Load | EN 12730 | 20kg Pass |
| Tensile Properties, Maximum Tensile Stress CD | EN 12311-2 | $\geq 2\text{N/mm}^2$ |
| Tensile Properties, Maximum Tensile Stress MD | EN 12311-2 | $\geq 2\text{N/mm}^2$ |
| Tensile Properties, Elongation at Break CD | EN 12311-2 | $\geq 120\%$ |
| Tensile Properties, Elongation at Break MD | EN 12311-2 | $\geq 120\%$ |
| Durability of Watertightness against ageing | EN 13967:2012+A1:2017 | Pass |
| Durability of Watertightness against Chemicals | EN 13967:2012+A1:2017 | Pass |
| Resistance to Impact | EN 12691 | $\geq 500\text{m}$ |
| Resistance to tear (Nail Shank) CD | EN 12301 -1 | $\geq 100\text{N}$ |
| Resistance to tear (Nail Shank) MD | EN 12310 -1 | $\geq 100\text{N}$ |
| Reaction to Fire | EN 13501 | Class F (Euro Class) |
| Joint Strength | EN 12317-2 | $\geq 30\text{N}$ |
| Water Vapour Transmission (Density Flow rate) | EN 1931 | $0.013 \text{ g}/(\text{day} \bullet \text{m}^2)$ |
| Water Vapour Transmission (Resistance factor, μ) | EN 1931 | $2380000 \text{ g } \mu$ |
| Thickness | EN 1849-2 | 1.00mm |
| Mass | EN 1849-2 | $1100 \text{ g}/\text{M}^2$ |
| Methane GTR | ISO 15105-1 | $<10 \text{ ml}/\text{m}^2 \cdot \text{day}$ |
| Carbon dioxide GTR | ISO 15105-1 | $<10 \text{ ml}/\text{m}^2 \cdot \text{day}$ |
| Radon Diffusion | | $5.0 \times 10^{-14} \text{ m}^2 / \text{s}$ |
| Roll Weight | | 33kg |

Structural Waterproofing | Gas Protection | Concrete Repair
 Technical Grouts | Joint Sealants | Protective Coatings | Admixtures

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PACKAGING & COVERAGE

Pack Size: HYDROPRUFE 8000: 1.05m x 28.6m roll.

HYDROPRUFE PRIMER: 5ltr and 25ltr cans.

ANCILLARY PRODUCTS

PROTECTION BOARD 600

HYDROPRUFE PRIMER

HYDROPRUFE TOPHAT

HYDROPRUFE PRE-FORMED CORNER PIECE

HYDROPRUFE DETAIL STRIP

STORAGE & SHELF LIFE

The membrane must be stacked vertically and in dry well-ventilated buildings, away from direct sunlight.

HEALTH & SAFETY

See separate material safety datasheet.



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