TECHNICAL DATA SHEET

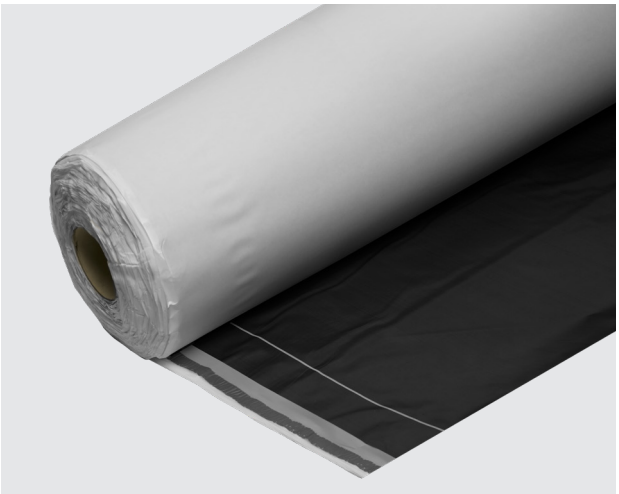
HYDROPRUFE 8000



Gas resistant self-adhesive waterproof membrane

PREMCRETE

HYDROPRUFE 8000





TYPE A
POST APPLIED

WATER RESISTANT

GAS RESISTANT

RADON RESISTANT

UK CA
UK CONFORMITY

25 YEARS
PRODUCT WARRANTY

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 and is suitable for use in line with BS 8485:2015-A1:2019.

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 often used for detailing at the slab edge up to DPC level but is also suitable for post-applied application to the outside of retaining walls for basements and below ground structures.

ADVANTAGES

- Rapid and easy cold application to substrates.
- Aluminum laminate provides superior resistance to ground gas.
- Effective resistance to a 6m head of water when fully supported.
- Excellent adhesion to a wide variety of substrates.

HYDROPRUFE 8000

TECHNICAL & PERFORMANCE 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	≥ 2N/mm^2
Pass Tensile Properties Maximum Tensile Stress MD	EN 12311-2	≥ 2N/mm^2
Elongation at Break CD	EN 12311-2	≥ 120%
Elongation at Break MD	EN 12311-2	≥ 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	≥ 500m
Resistance to tear (Nail Shank) CD	EN 12301 -1	≥ 100N
Resistance to tear (Nail Shank) MD	EN 12310 -1	≥ 100N
Reaction to Fire	EN 13501	Class F (Euro Class)
Joint Strength	EN 12317-2	≥ 30N
Water Vapour Transmission (Density Flow rate)	EN 1931	0.013 g/(day•m²)
Water Vapour Transmission (Resistance factor, μ)	EN 1931	2380000g μ
Thickness	EN 1849-2	1.00mm
Mass	EN 1849-2	1100 g/m^2
Methane GTR	ISO 15105-1	<10 ml/m^2.day
Carbon dioxide GTR	ISO 15105-1	<10 ml/m^2.day
Radon Diffusion		5.0 X 10-14m^2 /s

INSTALLATION 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.
TEKNOCEM HBR, a high-build structure mortar, should be used to form a 50 x 50mm corner fillet at any internal corner junction to eliminate sharp corners and allow ease of membrane application. 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 6-8m^2 per ltr and allow to completely dry before the application of the membrane commences.

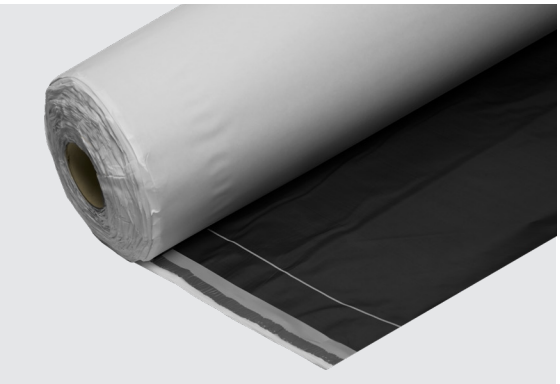
HYDROPRUFE 8000

INSTALLATION PROCEDURE CONTINUED

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 two sheets.
The membrane should be immediately protected using PREMCRETE PROTECTION BOARD 600 or HYDROFLOW HM8 to prevent damage during backfill or by following trades.

PACKAGING & COVERAGE



HYDROPRUFE 8000
Roll Size: 1m x 20m roll.
Roll Weight : 33kg.
HYDROPRUFE PRIMER
5ltr and 25ltr.
Coverage
5-7m^2 per litre.

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 Data Sheet.

ANCILLARY PRODUCTS



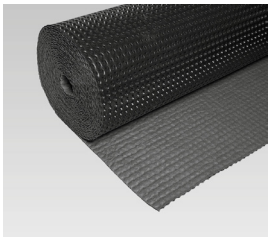
TEKNOCEM HBR
25KG



HYDROPRUFE PRIMER
5ltr or 25ltr



PROTECTION BOARD
2400 x 1200mm



HYDROFLOW HM8
2m x 20m roll

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PREMCRETE