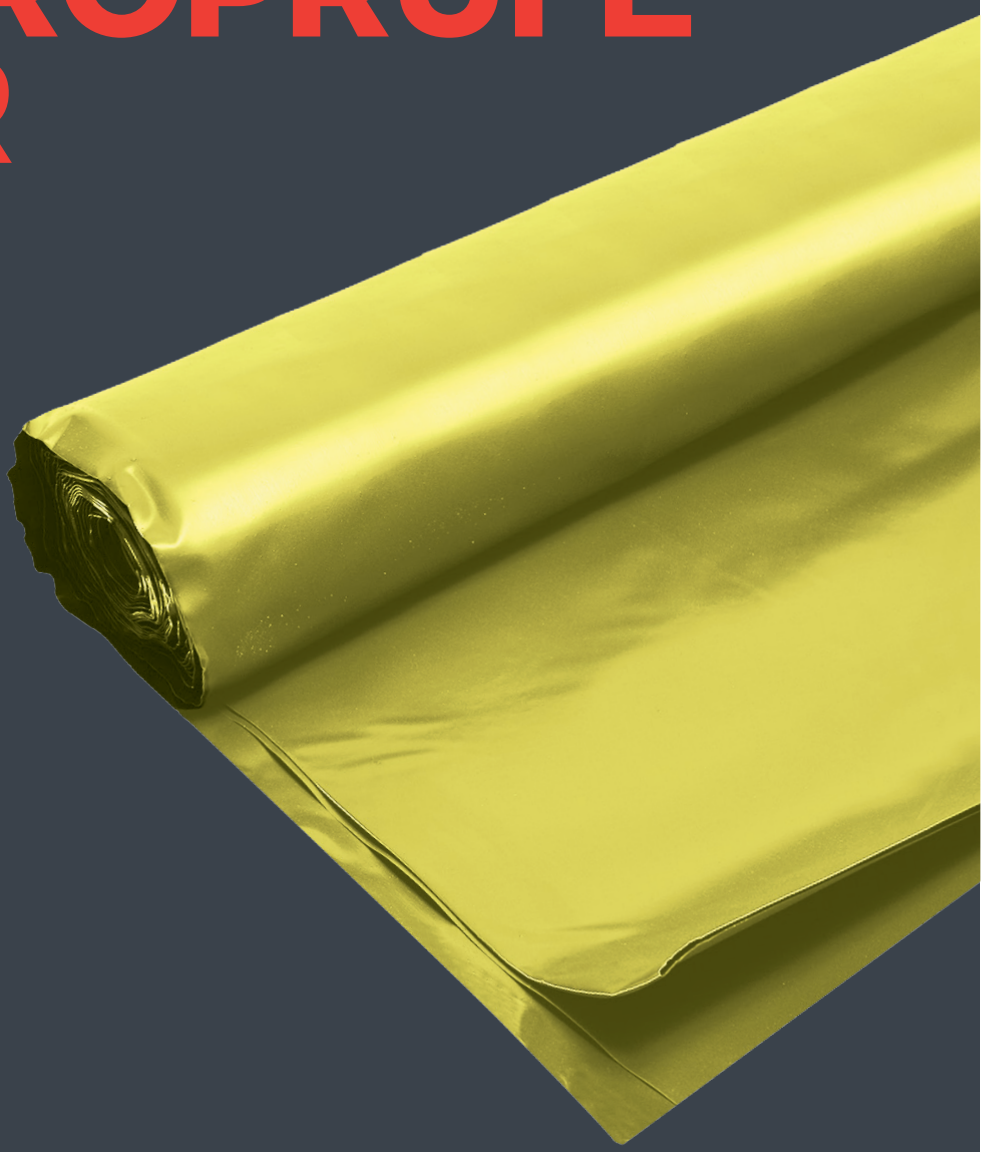
TECHNICAL DATA SHEET

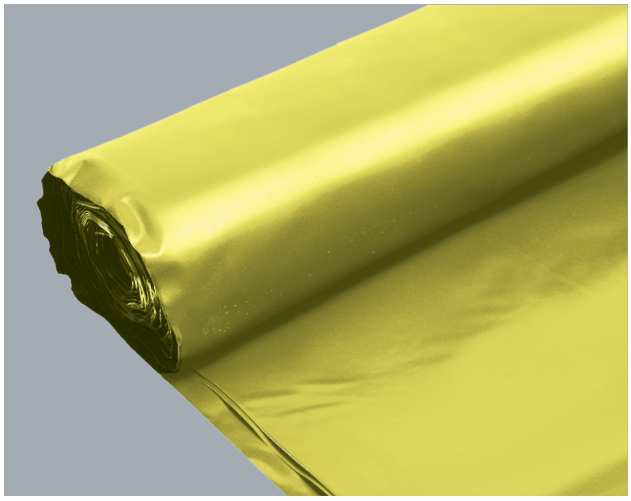
HYDROPRUFE 300R



Radon Damp-Proof Membrane

PREMCRETE

HYDROPRUFE 300R





DAMP PROOF

RADON RESISTANT

UK CONFORMITY

CE CONFORMITY

25 YEARS
PRODUCT WARRANTY

DESCRIPTION

HYDROPRUFE 300R is manufactured from a blend of polymer films that is suitable for use in the protection of buildings from the ingress of radon gas. HYDROPRUFE 300R also acts as a damp proof membrane but is not intended for use where there is a risk of hydrostatic pressure. HYDROPRUFE 300R can be used in most common floor constructions. It is installed in a similar way to a damp proof membrane, but with much greater attention paid to workmanship and detailing in order to achieve effective sealing at all locations.

USES

HYDROPRUFE 300R is designed to protect structures and occupants from radon gas that may be existent in the ground conditions, on low to medium risk characteristic sites. It is laid beneath concrete to act as a gas-resistant membrane whilst also acting as an effective damp proof membrane to prevent the ingress of water.

ADVANTAGES

- Rapid and easy installation by semi-skilled operatives
- Simple application to most substrates.
- Minimal surface preparation prior to installation.
- High compressive loading stability

HYDROPRUFE 300R

TECHNICAL & PERFORMANCE PROPERTIES

Property	Test Method	Value
Tear resistance (MOT 27: 1983 5.4.1)	N/A	118N
Gauge	N/A	400mu
Radon Permeability (K124/02/95)	N/A	4.0×10^{-12} $m^2.s^{-1}$
Radon diffusion coefficient to ISO/TS 11665-13:2017	N/A	7.4×10^{-12} $m^2.s^{-1}$

INSTALLATION PROCEDURE

Surface Preparation

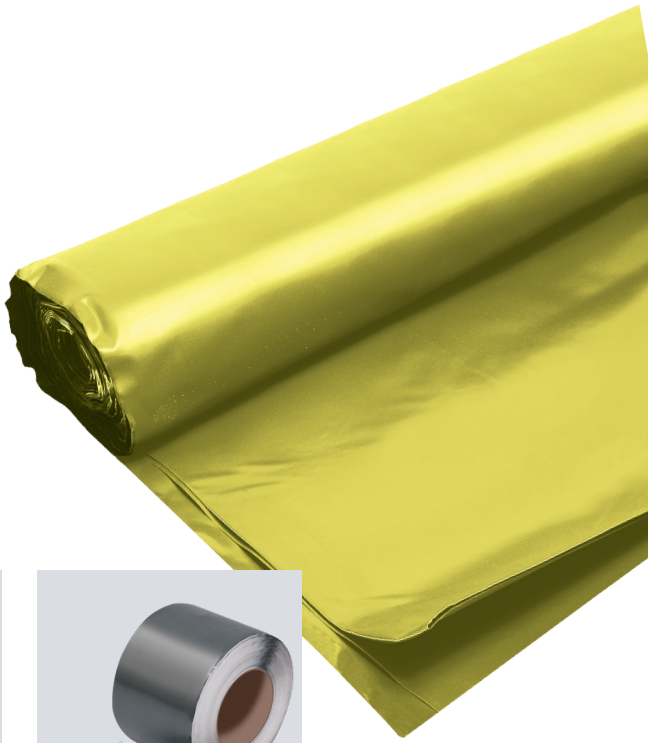
When applied beneath poured concrete slabs the sub-base should be well compacted and blinded with sand to prevent the membrane being punctured by any sharp protrusions. If the membrane is to be applied to the top face of a concrete slab, then the concrete should be smooth without any excessive surface undulations. If necessary, the substrate should be repaired using a suitable Premcrete concrete repair product.

Application

The HYDROPRUFE 300R should be loose laid to the prepared area without puncturing the membrane, taking care to leave sufficient length to lap into any DPC detail. Adjacent sheets should be lapped by a minimum of 150 mm and sealed using HCR BUTYL TAPE. Any pipe penetrations or other slab penetrations should be sealed using a HYDROPRUFE TOP HAT or HYDROPRUFE FOIL GIRTH TAPE to ensure complete continuity of the gas-resistant system.

PACKAGING & COVERAGE

Hydroprufe 300R
4 x 20m
HCR Butyl Tape
30mm x 30m
Girth Tape
75mm x 50m



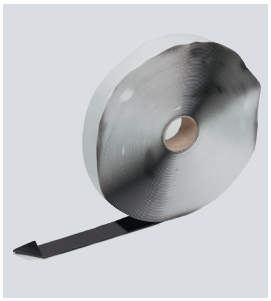
STORAGE & SHELF LIFE

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions.

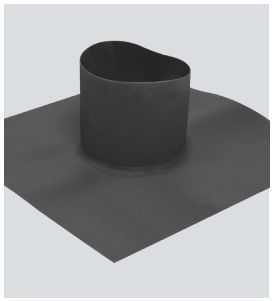
HEALTH & SAFETY

See separate Material Safety Data Sheet.

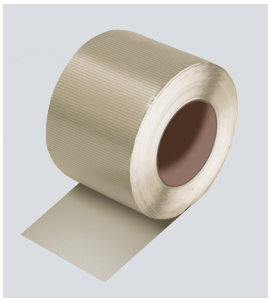
ANCILLARY PRODUCTS



HCR BUTYL TAPE



TOP HAT



GIRTH TAPE

FOIL GIRTH TAPE

44 Macadam Way | West Portway | Andover | Hampshire | SP10 3XW
www.premcrete.com | 02380 276166 | sales@premcrete.com

PREMCRETE