

PRODUCT DATA SHEET

Monarflex Easi-Load Radon DPC

DPC Radon Barrier

Introduction

Monarflex Easi-Load Radon DPC is part of Necoflex RAM System.
 When correctly detailed and installed in a new building it will provide an effective barrier to the passage of radon, air and moisture from the underlying soil. The Monarflex Easi-Load Radon DPC acts as the Damp Proof Course preventing moisture in the foundation from entering into the brick work and further into the cavity thereby causing structural damage to the building.

Description

Monarflex Easi-Load Radon DPC is a three layered membrane manufactured from a virgin blend of polyethylene that's designed to prevent ingress of radon gas and prevent ingress of moisture from the foundation into the brickwork. The membrane has a grained top and bottom surface for optimal friction resistance between the mortar, brick and foundation.



Performance and Properties

Material	Virgin blend LDPE
Roll Sizes	0.9 x 20 m
Colour	Black
Weight per m ²	460 g/m ²
Tensile strength	>350N/50mm
Elongation	>450%
Tear Resistance	>200N
Moisture Vapour Transmission Rate	<0.3 g/m ² /day
Radon Transmittance	1.6 x 10 ⁻⁸ m/s
Radon Permeability	7.9 x 10 ⁻¹² m ² /s

Considerations

Consideration must be given to the positioning of a radon resisting membrane in relation to thermal insulation. Installation of Monarflex Radon Resisting Membranes must be in accordance with the recommendations of IS 325:Part 2:1995, BS 8102:1990. Additional guidance on the use of damp proof membrane materials is given in BS 8000:Part 4:1989 *Workmanship on building sites – Code of practice for waterproofing*.
 The integrity of a radon resisting membrane must be maintained during installation. Radon DPC is one of several Monarflex Radon Resisting Membranes available. They have varying degrees of resistance to puncture and tearing. Specific guidance on membrane selection is contained in NSAI Agreement Certificate 09/0328. Where damage occurs this must be repaired by covering with a second layer of membrane sealed to the original using Monobond RT or Necobond double-sided sealant tape or replaced. The sheet must be clean and free from dirt and grease before application.



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Installation Details

Installation Procedure:

Monarflex Easi-Load Radon DPC should be placed along the entire length of each wall. It should be dressed down to meet the sand blinding or substrate and return horizontally a minimum of 100 mm to ensure correct lap and sealing with the Monarflex radon, air and moisture membrane.

Details:

All radon DPC's must exit above external ground level. Where the length of the radon DPC downstand in the cavity is deemed insufficient, an additional stepped DPC should be added. The Monarflex Easi-Load Radon DPC should be installed and fixed in accordance with the manufacturer's instructions.

Jointing:

To form joints between adjacent sheets of Monarflex Easi-Load Radon DPC and Monarflex radon, air and moisture membranes lap the membrane by a minimum of 150mm and seal with a strip of 30mm wide Monobond RT tape.

Penetrations:

Where service ducts or pipes penetrate the membrane, gas tight joints are sealed using Monobond RT tape, along with top hat units with retention clips. Complex junctions around penetrations may be sealed by using Easi-Pour Liquid Radon Sealant

Delivery And Storage

Monarflex Easi-Load Radon DPC is supplied on pallets with label and name identification showing the IAB certification mark. The rolls must be stored lying on a pallet under cover and away from heat and direct sun light.

Health And Safety

Health and safety data sheets are available for all materials. Please contact Icopal's Technical Services Department for further information.

Quality Assurance

Monarflex Easi-Load Radon DPC is manufactured under a Quality Management System approved to ISO 9001: 2000 by BSI Quality Assurance.



Certificate No: Q5556



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NOTE: This information is given in good faith being based on the latest knowledge known to Anderson Monarflex. Whilst every effort has been made to ensure the contents of the publication are current while going to press, customers are advised that products, techniques and Codes of Practice are under constant review and liable to change without notice. Up to date information is available from our Technical Services Department on request.

Responsibility cannot be accepted for the application of products, and no claims can be considered, where the manufacturer's instructions have not been followed. The user should not assume; based on information provided in this sheet, that the product is suitable for any abnormal use.

All products are sold subject to our standard conditions of sale, available on request.