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Easi-Load™ Radon DPC

Gas Protection Systems

Introduction

Easi-Load™ Radon DPC is part of the Necoflex RAM™ - Radon, Air and Moisture Protection System, and 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 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.

Standard

Easi-Load™ Radon DPC has been independently site and laboratory tested by the National Standards Authority of Ireland and awarded certificate number 09/0328.



Description

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.

Considerations

Installation of Monarflex® radon resisting membranes must be in accordance with the recommendations of 'IS 325: Part 2:1995' and '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. Easi-Load™ 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.

Properties

Roll Width	0.9 m
Roll Length	20 m
Colour	Black
Weight/unit area	460 g·m ⁻²
Membrane Thickness	0.5 mm

Durability

Easi-Load™ Radon DPC is manufactured to last the lifetime of the construction provided it is correctly installed and not damaged by subsequent building operations.

Compatibility

Easi-Load™ Radon DPC membranes are fully compatible with the range of Icopal damp-proof courses and membranes.

Installation Details

Easi-Load™ Radon DPC should be placed along the entire length of each wall. It should be dressed down to meet the blinding or slab/ substrate and return horizontally a minimum of 100 mm to ensure correct overlap and sealing with the Monarflex® radon, air and moisture membrane. All radon DPC's must exit above external ground level to protect the cavity from the ingress of gas. Where the length of the radon DPC downstand in the cavity is deemed insufficient, an additional stepped DPC should be added.

The damp-proof course to be installed in accordance with standard practice and with the relevant clauses of 'IS 325-2:1995 Code of practice for use of masonry' or 'EN 1996-2: Eurocode 6. Design of masonry structures. Design considerations, selection of materials and execution of masonry' and in accordance with the methods described in the Monarflex RAM system's NSAI agrément certificate 09/0328.

Jointing: To form joints between adjacent sheets of Easi-Load™ Radon DPC ends should be overlapped by 100 mm and sealed using a single strip of 30 mm wide Monobond RT™ sealant tape. Joints to the Monarflex® radon, air and moisture membrane should be minimum 150 mm and sealed with a strip of Monobond RT™ sealant tape.

Corners: The detailing of the Easi-Load™ Radon DPC at corners may be simplified using the Easi-Load™ Radon Corner Assembly kits. Please see NSAI agrément certificate 09/0328 document for information.



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Repair

Any damage must be repaired. Depending upon the nature of the damage, the section containing the damaged area should be cut out and replaced to avoid the risk of gas migration but also water penetration. Replace the section of Easi-Load™ Radon DPC, forming a minimum 100mm overlap on each side and form a continuous seal with Monobond RT™ tape.

Typical Specification

The radon resisting damp proof course to be Easi-Load™ Radon DPC, as supplied by Necoflex Ltd. Unit 3, Orion Business Campus, Northwest Business Park, Blanchardstown, Dublin 15. Tel: +353 (0) 1 8023333; Fax: +353 (0) 1 8036060. The membrane is to be installed and sealed in accordance to the manufacturer's instructions and the NSAI agreement certificate.

NBS Specification

Easi-Load™ Radon DPC is specified using the following:

Clause: F30/360

Product: Easi-Load Radon DPC.

Supplier: Necoflex Ltd. Unit 3, Orion Business Campus, Northwest Business Park, Blanchardstown, Dublin 15.



Quality Assurance

Easi-Load™ Radon DPC membranes are supplied under a Quality Management System approved to ISO 9001: 2000 by BSI Quality Assurance.



QMS: Q5556

Delivery and Storage

Easi-Load™ Radon DPC is supplied on pallets with label and name identification showing the IAB certification mark.

Rolls should be stored under cover and on a flat, level surface, and protected from mechanical damage and heat sources. During storage exposure to direct sunlight is to be avoided.

Health and Safety

In normal use the product is not hazardous to health. Health and safety data sheets are available for all materials. Please contact Necoflex Limited for further information.

Technical Services

Specialist advice and design guidance on all matters relating to Easi-Load™ Radon DPC is freely available from Necoflex at the address below.



NOTE: This information is given in good faith being based on the latest knowledge known to Icopal Limited. 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.

Necoflex Limited

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