

RADBAR 300 AND RADBAR 400 SYSTEMS.

Made to reduce the flow of gasses such as Radon, Methane and CO₂. Offered as a complete system, Radbar can be designed to meet exacting standards and forms a comprehensive barrier to all common gas types found in the U.K .

1. RADBAR SYSTEMS

RADBAR 300

Produced from virgin Polymers, Radbar 300 has been produced to offer a comprehensive barrier to Radon Gas. When used in conjunction with Radbar accessories Radbar 300 is a cost effective and proven system against Radon.

RADBAR 400

Produced again from virgin Polymers, Radbar 400 will reduce the flow of Radon, Methane and CO₂ gases. Used as part of a system, Radbar 400 is one of the most comprehensive total gas protection systems available on the market.

RADBAR PRODUCTS have been extensively tested throughout Europe (in conjunction with the IAB) after consultation with the Building Research Establishment and the Atomic Energy Authority.

2. BENEFITS

- High elongation
- Low gas permeability
- Excellent chemical resistance
- Conforms to complex detailing (with the use of accessories)
- Very Cost Effective
- Produced to exacting standards ISO9002
- Excellent long term ageing properties
- Roll sizes reduce the amount of joints required (4X25m & 4X20m)



3. APPLICATION

Radbar 300 is available in a 4x25m roll and can be applied with limited joints to the footprint of the building. Radbar 400 is available in a 4x20m roll.

JOINTS - should be created using Radbar Tape which is a double sided 50mm wide by 10m tape. Radbar tape is in itself resistant to Radon, Methane and CO₂ gases.

PENETRATION POINTS - Euro Polymers produce a range of pre-formed pipe collar top hat units and internal/external corner details. These are designed to requirements and form a factory welded unit standard for difficult detail areas. These are attached to the penetration point of the main membrane by Radbar tape.

DPC Detail - in most cases, the Radbar product is designed to cover the whole footprint of the building. In certain design types however a gas resistant DPC is required.

Radbar DPC is available in sizes up to 1mtr wide and is a polymer modified bituminous DPC with an aluminium core resistant to the afore mentioned gases.



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4. SYSTEM DETAILS

RADBAR COVERING THE FULL FOOTPRINT OF THE BUILDING

Incorporates Radbar Top Hat units fixed with Radbar Tape.



RADBAR DETAIL STRIP BONDED TO A PRE-FORMED RADBAR EXTERNAL CORNER UNIT WITH RADBAR TAPE.

The beauty of this system is that the build can continue prior to the casting of the slab. This reduces the potential damage to the main membrane.

A 150mm internal flap is created with the Radbar detail strip to which a Radbar carpet is taped into place just prior to the pour.



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4. SYSTEM DETAILS

RADBAR DETAIL STRIP BONDED TO A PRE-FORMED RADBAR EXTERNAL /INTERNAL CORNER UNIT JUNCTION WITH RADBAR TAPE.

The beauty of this system is that the build can continue prior to the casting of the slab. This reduces the potential damage to the main membrane.

A 150mm internal flap is created with the Radbar detail strip to which a Radbar carpet is taped into place just prior to the pour.



RADBAR TOP HAT UNIT BONDED TO THE DETAIL STRIP WITH RADBAR TAPE.

The Radbar top hats are available in various sizes and are finished with a Radbar tape seal to the membrane and a jubilee clip/Radbar Mastic at the top.



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4. SYSTEM DETAILS

RADBAR FOOTPRINT DETAIL.

To ensure that the footprint of the building is fully sealed, the Radbar Detail Strip is used below any internal walls and can be increased in size from the standard 600mm to a 900mm to accommodate any change in levels required.



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OBEX

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