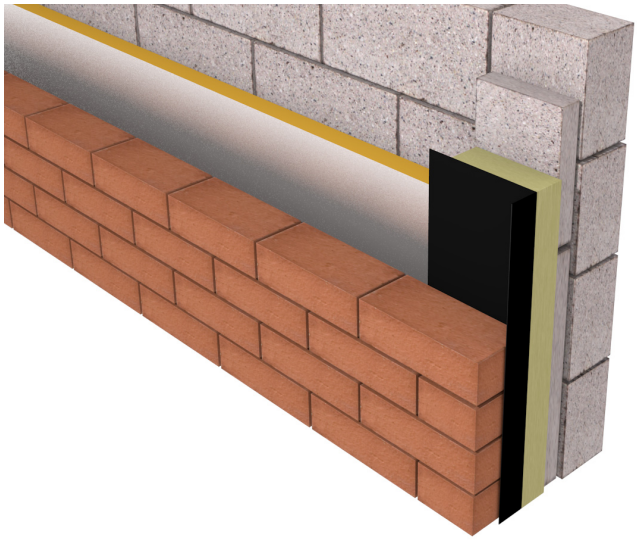
V1.2 11.09.2012

Rockfibre Insulated DPC



Key Features:

- Four hours fire integrity - Warrington Fire Research test
- Easy to install
- Prevents cold bridging
- Exceeds the minimum requirement of 0.45 W/mk provided the window is set back 30mm from the inner face of the outer brickwork
- Meets Part B and Part L of the building regs

The ARC Rockfibre Insulated DPC has been developed to close masonry cavities for thermal, acoustic and fire applications. The primary reason for fitting the ARC Insulated DPC is to close off cavities around window and doors preventing cold bridging. Can easily be installed as the brick and block work progresses where a traditional block return is used.

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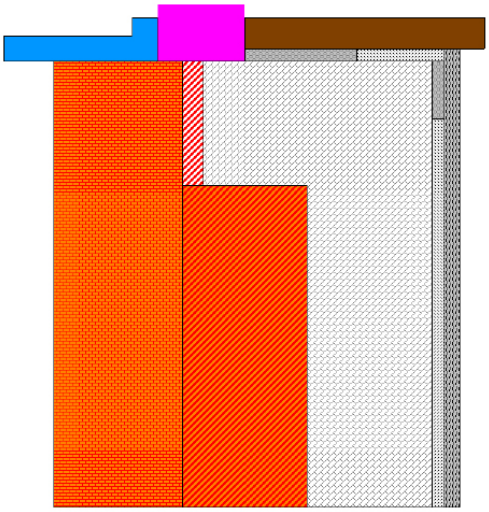
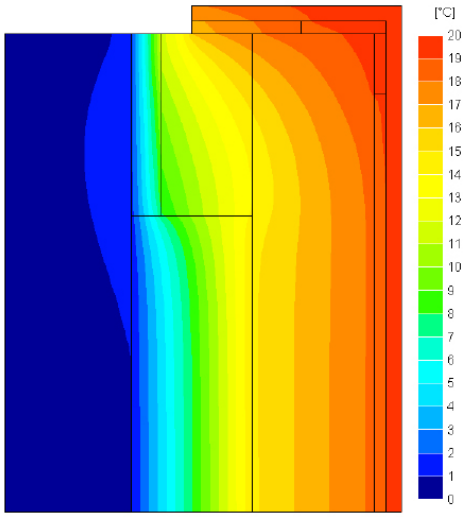
Rockfibre Insulated DPC

Thermal Performance at Window Detail





Detail	Default F-value	F-value	Default Ψ-Value	Ψ-Value
Jamb with ARC Rockfibre Insulated DPC (100mm cavity)	0.75	0.890	0.05	0.04
Sill with ARC Rockfibre Insulated DPC(100mm cavity)	0.75	0.899	0.04	0.04

The F-values are well above the value of 0.75 specified in IP1/06 to avoid mould growth, and the Ψ-values are well below the default values in IP1/06. ARC products have been assessed using software that complies with the standard for thermal bridge calculations BS EN ISO 10211-2007. The conventions for calculations specified in the BRE document BR497 were followed. The results are compared with the criteria set in the BRE Information Paper IP1/06 'Assessing the effects of thermal bridging at junctions and around openings' which is referenced in Building Regulations.

Installation

The ARC Insulated DPCs are easily installed as the brickwork progresses before the window or door is installed. The DPC sits against the outer brickwork to prevent moisture penetration. When joining it is recommended the DPC should be fully lapped by at least 100mm with the insulation tightly butted.

Storage & Packaging

ARC Rockfibre Insulated DPC's are supplied in polythene packs which are designed for transporting and protecting the products. When storing the product for longer periods of time it is recommended the product should be stored indoors, or under cover.

Fire Properties

ARC Rockfibre Insulated DPC's are manufactured using Rockfibre mineral wool which achieves a fire classification of Euroclass A1 as defined in BS EN 13501-1.
ARC's Rockfibre Insulated DPC's are tested at Warrington Fire Research achieving up to 4 hours fire integrity. The Fire and Acoustic DPC's are tested to BS 476: Part 20: 1987 and BSEN 1366-4: 2006, using the test method stated EGOLF TC2 N421 (fire resistance for cavity barriers).
Warrington Fire Research Certificate number: 189654

Standards

ARC's Rockfibre Insulated DPC use rockfibre mineral wool which conforms to BS EN 13162: 2001 Thermal Insulation products for buildings, factory made mineral wool products specification.
The polythene DPC is manufactured to BS 6515.

Environment

ARC's rockfibre mineral wool has no CFCs or HCFCs in the manufacturing process and represents no known threat to the environment. ARC's rockfibre mineral wool has a low impact on the environment and is classified as zero ODP and zero GWP.

Health & Safety

ARC Building Solutions has an approved Health and Safety Policy and is committed to working and supplying products safely. ARC's rockfibre mineral wool is not classified as a possible human carcinogen. ARC has assessed products as required by Substances Hazardous to Health Regulations (COSHH). An ARC COSHH data sheet is available and can be downloaded from ARC's website.

Insulation Dimensions	DPC - Polyethylene	Pack Size
25 x 100 x 1200mm	165mm width x 1300mm long. Black polyethylene to BS6515	20
25 x 150 x 1200mm	225mm width x 1300mm long. Black polyethylene to BS6515	20

Non-standard sizes available on request.

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