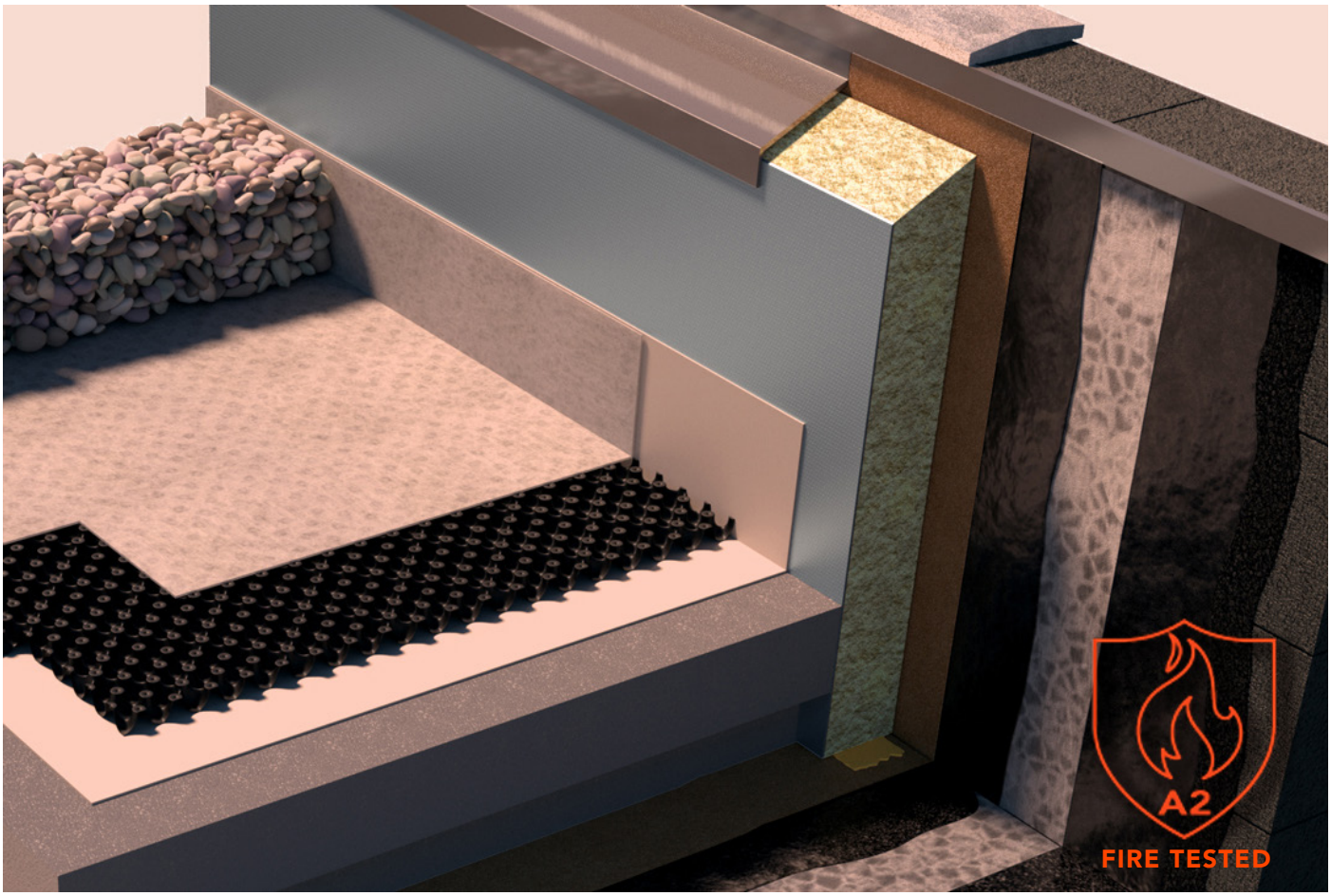
QUANTUM INSULATION

Product Data Sheet

RockFace A2 Upstand Board



A Non-combustible External Upstand Board used to thermally insulate and protect upstand walls.

Manufactured by

Radmat® building products

RockFace A2 Upstand Board

General Information

Radmat RockFace A2 is a Non-combustible Upstand Insulation Board used to thermally insulate and protect upstands and external walls in inverted flat roofs, warm roofs and balconies.

Manufactured from class A1 Non-combustible Stonewool factory laminated to a 6mm thick weather resistant high impact calcium silicate fibre cement facing board, RockFace A2 will not develop smoke or promote flame spread, even when directly exposed to fire. RockFace A2 repels and drains away water, completely drying out while maintaining its original physical properties. The calcium silicate fibre cement facing board is BBA certificated (BBA certificate No. 21/5983) and independently tested and classified as Category A for external use in accordance with EN 12467:2012. Available in a range of thicknesses, see declared performance table for available thickness.

RockFace A2 is not intended to provide a final architectural/aesthetic finish as the cementitious facing may vary in colour from batch to batch. To achieve a consistent aesthetic finish the facing board can be primed and decorated with an appropriate masonry paint or render finish.

RockFace A2 has a Zero Ozone Depletion Potential (ODP), a Global Warming Potential (GWP).

Building Regulations Compliance

Building Regulation Approved Document B volume 1 – dwellings and volume 2 - non-dwellings **compliant solution for buildings over 18m high in England, Wales and Northern Ireland.**

Building Regulation Approved Document B volume 1 – dwellings and volume 2 - non-dwellings **compliant solution for buildings 11m to 18m high in England, Wales and Northern Ireland.**

Technical Handbook – domestic Annex 2.C and Technical Handbook – non-domestic Annex 2.F **compliant solution for buildings over 11m high in Scotland.**

Application on Relevant Buildings

CRITERIA	RockFace A2
At a maximum height of 150mm above the roof finish/walking surface.	✔
More than 150mm above the roof finish/walking surface	✔
Up to 60mm thick (insulation element only).	✔
Over 60mm thick	✔
Spanning a compartment wall line	✔
Adjacent to habitable space	✔

Testing

Classified Euroclass A2-s1,d0 to BS EN13501-1:2108 by WarringtonFire under classification report no. 19808F dated 10 10 2019.

Certificates

ISO 9001@2008 Quality Management System, ISO 14001 :2004 Environmental Management System.

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Quantum Insulation, Holland House, Valley Way, Rockingham Road, Market Harborough, Leicestershire LE16 7PS. T: 01858 456018 E: sales@quantuminsulation.com
www.quantuminsulation.com

RockFace A2 Upstand Board

Delivery Conditions

Delivery form
Shrunk wrapped on a pallet, quantity depending on board thickness.

Product identification
Information on the pack; Product name. Dimensions. Approvals. Production date.

Installation Instructions

- vertically from any waterproofing layer with a horizontal inverted system trapping the board against the upstand, or;
- from the top of the inverted insulation or upper layer of waterproofing in a warm roof.

Installation Instructions for Inverted Roofs from the waterproofing layer
When installing from the waterproofing layer should the vertical height of the Rockface A2 board not exceed 3x the depth of the horizontal board then no other method of attachment is necessary.

Above this height apply to the face of the upstand a 20mm continuous bead of Insta Stik looping in a 'S' bond shape, with circa 300mm between the bead lines prior to compressing the Rockface A2 board against the adhesive.

When the Rockface A2 board height exceeds 750mm above the roof finishes then along with the Insta Stik a further mechanical attachment is required; a single DDS fixing (or other approved if not concrete) for each separate board fastened though the board and into the wall at least 150mm above the roof finishes or at least 75mm from the top of the board.

A cover flashing or capping is necessary to be fitted over the exposed top edge of the RockFace A2 upstand board.

Installation Instructions for Inverted Roofs from the top of the insulation or for warm roofs.

1. Install a continuous strip along the base of the board and also apply to the face of the upstand a 20mm continuous bead of Insta Stik looping in a 'S' bond shape, with circa 300mm between the bead lines prior to compressing the Rockface A2 board against the adhesive.

2. When the Rockface A2 board exceeds 600mm in height then along with the Insta Stik a further mechanical attachment is required; a single DDS fixing (or other approved if not concrete) for each separate board fastened though the board and into the wall at least 150mm above the roof finishes or at least 75mm from the top of the board.

3. A cover flashing or capping is necessary to be fitted over the exposed top edge of the RockFace A2 upstand board.

Where it is necessary to cu RockFace A2 upstand board to size use a TCT saw (suitable PPE must be used including a face mask to guard against dust).

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RockFace A2 Upstand Board

NBS Clauses

Products

J31/345 INVERTED ROOF INSULATION TO UPSTAND

- **Type:** Non-combustible Upstand Insulation Board consisting of stone wool insulation factory laminated to a 6mm thick weather resistant high impact calcium silicate fibre cement facing board.
- **Standard:** Euroclass A2, s1-d0 to BS EN 13501-1 by Warrington Fire (Building regulation Approved document B compliant solution for buildings over 18m high).
- **Manufacturer:** Radmat Building Products Limited, Holland House, Valley Way, Rockingham Road, Market Harborough LE16 7PS Tel: 01858 410372, Fax 01858 410572 email: techenquiries@radmat.com, Web: www.radmat.com.
- **Product reference:** RockFace A2
- **Grade:** Stone wool 30 kPa
- **Recycled content:** Minimum 20-30% in accordance with ISO 14021, 50% + in accordance with WRAP 'rules of thumb'.
- **Edges:** Butt joint.
- **Thickness:** 26, 36, 46, 56, 66, 76, 86, 96, 106, 116, 126, 136, 142, 146, 156, 166, 176, 186, 196, 206, 216, 226, 236, 246 or 256mm thick. To Comply with Building Regulations Part L2A, the Services Engineer's performance requirements and any other stated requirements in conjunction with other components.
- **Integral topping:** Cement particle board.

Surfacing

J31/J31/831 LAYING INVERTED ROOF UPSTAND INSULATION -

- **Preparation:** Clear roof of other trades.
- **Condition of substrate:** Clean.
- **Setting out:**

Inverted Roofs from the waterproofing layer

- When installing from the waterproofing layer should the vertical height of the Rockface A2 board not exceed 3x the depth of the horizontal board then no other method of attachment is necessary.
- Above this height apply to the face of the upstand a 20mm continuous bead of Insta Stik looping in a 'S' bond shape, with circa 300mm between the bead lines prior to compressing the Rockface A2 board against the adhesive.
- When the Rockface A2 board height exceeds 750mm above the roof finishes then along with the Insta Stik a further mechanical attachment is required; a single DDS fixing (or other approved if not concrete) for each separate board fastened though the board and into the wall at least 150mm above the roof finishes or at least 75mm from the top of the board.
- A cover flashing or capping is necessary to be fitted over the exposed top edge of the RockFace A2 upstand board.

Inverted Roofs from the top of the insulation, or for warm roofs.

- Install a continuous strip along the base of the board and also apply to the face of the upstand a 20mm continuous bead of Insta Stik looping in a 'S' bond shape, with circa 300mm between the bead lines prior to compressing the A2 board against the adhesive.
- When the Rockface A2 board exceeds 600mm in height then along with the Insta Stik a further mechanical attachment is required; a single DDS fixing (or other approved if not concrete) for each separate board fastened though the board and into the wall at least 150mm above the roof finishes or at least 75mm from the top of the board.
- A cover flashing or capping is necessary to be fitted over the exposed top edge of the RockFace A2 upstand board.
- Where it is necessary to cut RockFace A2 upstand board to size use a TCT saw (suitable PPE must be used including a face mask to guard against dust).
- Minimize cutting and avoid small pieces at perimeters and penetrations.
- Joints: Butt together.
- Completion: The Boards will need to be in good condition, well-fitting and stable.

For a comprehensive NBS J31 specification contact **Quantum Insulation**.

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RockFace A2 Upstand Board

PRODUCT DESCRIPTION

Appearance top side	Grey Face
Core	Stonewool Insulation

DECLARED PERFORMANCE

Essential characteristics	Performance	Unit	EN Code	Standard
Fire Performance RockFace A2 (product rating)	Non-combustible A2-s1,d0	-	-	BS EN 13501-1
Ozone Depletion Potential	Zero	-	-	-
Global Warming Potential	< 5	-	-	-
Sheet size - Length	1000*	mm	-	
- Width	1200*	mm	-	BS EN 822
- Thickness (inc. facing)	26, 36, 46, 56, 66, 76, 86, 96, 106,116, 126, 136, 142, 146, 156, 166, 176, 186, 196, 206, 216, 226, 236, 246, 256	mm	-	
Tolerances	±2	-	-	-
Edges	Square	-	-	-
Weight (board / m²) A2 56	16.10	kg	-	-
A2 106	22.70	kg	-	-
A2 136	26.66	kg	-	-
FACING: weather resistant, high impact calcium silicate cement facing				
Colour	Grey	-	-	-
Thickness - nominal (facing only)	6	mm	-	-
Density	1320	kg/m³	-	-
Thermal Conductivity	0.30	W/mK	-	-
Flexural Strength (average Parallel and Transverse)	18	MPa	-	-
Fire performance (component ratings)	A1	-	-	BS EN 13501-1
INSULATION: Stonewool				
Colour	Light Olive Green	-	-	-
Thickness (allowing for 6mm facing board)	20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 136, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250	mm	-	-
Tolerance - Depth	2	mm	-	BS EN 823
- Width	±5	mm	-	BS EN 822
- Length	±10	mm mm	-	BS EN 822
Compressive strength	30 @ 10% Compression	kPa	-	BS EN 826
Thermal conductivity	0.038	W/mK	λ_D	BS EN 13162
Nominal Density (Stonewool only)	110	kg/m³	-	BS EN 1602
Water Absorption by Immersion	< 2	%	-	BS2972
Fire performance (component ratings)	A1	-	-	BS EN 13501-1
Delamination Strength	13	kPa	-	-

Fire Performance

Classified Euroclass A2-s1,d0 to BS EN13501-1:2108 by WarringtonFire under classification report no. 19808F dated 10 10 2019.

* other sizes are available, contact Quantum Insulation.

For further information on Quantum Insulation products and services please call **01858 456018** or email **sales@quantuminsulation.com**

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