

Rockpanel Metallics A2

A Rockpanel board surface treated with a triple layer water based coating available in a range of 5 metallic finishes.

The surface has excellent UV resistance when tested in accordance with ISO 4893-1&2 and judged in accordance with ISO 105-A02 and ISO 105-A03.

Rockpanel Metallics A2 can only be used in ventilated constructions. Rivet fixed to aluminium or steel supports. Any insulation within the cladding zone must be non-combustible.

Rockpanel Metallics A2 is covered by European Technical Assessment ETA 13/0340

Manufacturer: Rockwool Lapinus Productie BV, Industrieweg 15
6045 JG Roermond, The Netherlands

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120 RAINSCREEN CLADDING

Product reference: Rockpanel Metallics A2 Board

Material: Non-combustible Rockwool panels with pre-finished decorative coating

Thickness: 9mm

Euroclass: A2-s1,d0

Finish: Standard Finish

Colours: TBC

Fixings: Stainless steel rivets with colour matched heads. Pre-drill Rockpanel with 9mm holes and 5.5mm for centre fixings.
Ref: Rivets/18

A spacer tool should be used when fixing rivets.
Ref: Rivet/spacer tool

Manufacturer: Plastestrip (Profiles) Ltd or equal approved
E-mail: sales@plastestrip.com Web: www.plastestrip.com

Number and location: Rivets to be fixed at a maximum span of 600 mm and maximum 600 mm vertical centres.

Please consult Rockpanel for project specific wind loading calculations. Fixings to be positioned minimum 15mm from the vertical edge of the board and minimum 50mm from the horizontal edge of the board.

JOINTS

Type/treatment: Blackout tape to be applied to prevent light reflection from aluminium supports.

Ref:AL/18P External corner profile OR
Ref:AL/EX8 External capped profile

Colour: Colour matched to board.

Manufacturer: Plastestrip (Profiles) Ltd or equal approved
E-mail: sales@plastestrip.com Web: www.plastestrip.com

Distance between boards: 6 -10mm

Air gap: Minimum 40mm

SECONDARY SUPPORT SYSTEM/FRAMING SYSTEM;

Material: Aluminium to BS EN-755-9 & BS EN-573-3:2003

Manufacturer: Plastestrip (Profiles) Ltd, or equal approved
E-mail: sales@plastestrip.com Web: www.plastestrip.com

Brackets & Rails

Single bracket FF FIX/BR/XX

Double bracket FF FIX/BRD/XX

Intermediate angle rail FIX/ANG/HD/60/40

Joining tee rail FIX/TEE/HD/100/60

Number & location: Please consult Framing System supplier for project specific load calculations and layouts.

ACCESSORIES (Optional)

Ventilated profiles:

Ref: 065/10K bottom vent strip – from 40-65mm cavities

Bottom Drips

Ref: AL/BD86 aluminium bottom drip profile

Manufacturer: Plastestrip (Profiles) Ltd or equal approved
E-mail: sales@plastestrip.com Web: www.plastestrip.com

GENERAL REQUIREMENT

380 GENERAL MOVEMENT

- Requirement: Rainscreen cladding must accommodate anticipated building movements as follows.....

730 MECHANICAL FIXINGS – MECHANICAL REQUIREMENTS

- Stainless steel: To BS EN ISO 3506 grade A2 generally, grade A4 when used in severely corrosive environments.
- Carbon steel: To BS4190 and suitable for galvanizing or other protective coating.
- Aluminium: To BS EN 755

735 FIXINGS AND FASTENERS

- Type and use: Reviewed and approved by manufacturers.
Submit confirmatory information on request.
- Dimension: Not less than recommended by their manufacturers
- Adjustment capability: Sufficient in three dimensions to accommodate primary support structure and Rainscreen cladding fabrication/installation tolerances.

775 THERMAL INSULATION

- Material.....
 - Properties: Durable, rot and vermin proof and not degradable by moisture or water vapour.
- Fixing: Attached to the outer face or supported within the backing wall so as not to bulge, sag, delaminate or detach during installation or in situ during the life of the Rainscreen cladding.

780 VAPOUR CONTROL LAYER

- Material.....
 - Minimum vapour resistance.....
 - Manufacturer.....
 - Product reference
 - Continuity: No breaks and with the minimum of joints.
 - Penetrations and abutments: Seal to vapour control layer. If necessary, prime substrates to achieve full bond.
 - Sheet laps: not less than 150mm, seal with tape. Prime substrates as necessary to achieve full bond
- Sheet tape: Double sided sealant with vapour resistivity not less than the vapour control sheet.
- Size (width and thickness):.....
- Sheet repairs and punctures: Seal with lapped patch of vapour control membrane and continuous band of sealant tape along edges.

785 BREATHER MEMBRANE

- Material.....
 - Manufacturer.....
 - Product reference.....
 - Continuity: No breaks. Minimize joints.
 - Penetrations and abutments: Attach to breather membrane with tape. Achieve full bond.
 - Laps: Not less than 150mm, bond with tape. Achieve full bond
 - Tape: As recommended by breather membrane manufacturer
 - Repairs: Lapped patch of breather membrane material secured with continuous band of tape on edges.
- Junctions at flashings, sills, gutters etc. Overlap and allow free drainage to exterior.

925 SEALANT APPLICATION

- Requirement: As section Z22, unless specified otherwise in this section.

960 PRELIMINARY RAINSCREEN CLADDING INSTALLATION

- Requirement: Complete an area of cladding as set out below for inspection and approval of appearance.

970 RAINSCREEN CLADDING INSTALLATION

- Tightening mechanical fasteners: To manufacturer's recommended torque figures. Do not over tighten fasteners intended to permit differential movement.
- Protective coverings: remove only where necessary to facilitate installation and from surfaces which will be inaccessible on completion.

995 MAINTENANCE

- Maintenance manual: Incorporate details within the Building Manual in accordance with CWCT "Standard for systemised Building envelopes clause 7.6.1
 - Material certification and test reports to be included:
- The terms and conditions of any guarantee.
Method statement for means of access for maintenance and for use of any permanent equipment.
- Method statement covering the procedures for replacement of parts that have a design life less than the design life of the rainscreen system.
- Recommendations for routine maintenance and cleaning including suitable cleaning agents and lubrication/adjustments to working parts.
- Record book for listing defects, maintenance and repairs. List any supplementary contents in the clause. The maintenance manual should schedule inspection requirements. Submission requirements need to be included in section A37