



Ardal

Generated on 14.07.2020

Detailed description

Grooved rainscreen cladding, made in mineral composite, designed for use as a decorative and protective façade over external walls of buildings. The panels offer a choice of different finishes and colours in different sizes. The system includes the panels and the horizontal rails only. Primary subframe not included.

Product guidance - As Standard

Material:

Mineral composite.

Thickness:

11 mm.

Vertical joint type:

Open 3 mm joints using wedges after each panel along the horizontal rail.

Air gap:

Nominal 50 mm.

Backing wall:

Suitable for:

- Concrete.
- Blockwork.
- Brickwork.
- Structural and lightweight steel framing.
- Timber frame.
- Curtain walling.

Weight:

Approximately 26 kg/m² (depending on finish).

Panel tolerances:

- + 0/ - 1 mm in height.
- ± 0.5 mm in length.

Reaction to fire:

- EN 13501-1: B-s2, d0.
- BS 476-6: Class 0.

Carea Ltd

CAREA[®]
MINERAL COMPOSITE

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Wind resistance:

2.3 kN/m².

Impact resistance (to BS 8200):

- Standard: D.
- Reinforced: B.

Thermal conductivity:

1.65 W/mK.

Bending strength:

> 26 MPa.

Resilience:

> 1.3 kJ/m².

Options

Size (l x h):

Options available:

- 447 x 447 mm.
- 597 x 197 mm.
- 597 x 247 mm.
- 597 x 297 mm.
- 597 x 397 mm.
- 597 x 597 mm.
- 900 x 197 mm.
- 900 x 297 mm.
- 900 x 447 mm.
- 900 x 497 mm.
- 900 x 547 mm.
- 900 x 597 mm.
- 900 x 897 mm.
- 1200 x 597 mm.

Joints:

- Vertical: 3 mm.
- Horizontal: 3, 13, 20 or 40 mm.

Product specification

Manufacturer

- Name: Carea Ltd

Carea Ltd



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Product reference	CAREA Grooved Panel Ardal
Size	[]
Finish	Gloss Matt
Colour	Riven Shell
Horizontal rail type	3 mm - Mill finished. 13 mm - Anodized. 20 mm - Anodized. 40 mm - Anodized.
Corners	Pre-coloured aluminium profile Mitred edge panel Welded corner piece