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Product Technical Information

Aluclad Wood and Stone Effect System

Aluclad Systems provide Architectural Aluminium and Steel elements, such as Copings, Rainscreen Cladding Panels, Flashings and bespoke items in a variety of grades & finishes.
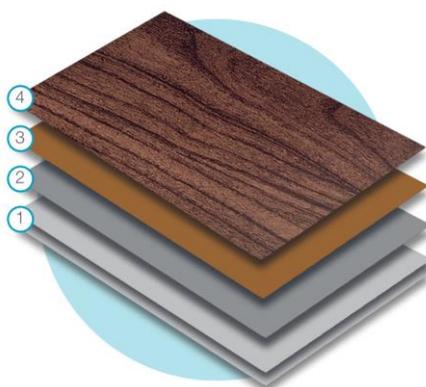
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Detailed description

Discrete fix solid aluminium rainscreen panels with recessed fixings are produced using non-combustible material and available in variety of wood and stone effect finishes enabling architects, designers, building owners and installers to choose from a range of options.

Aluclad panels are supplied in various lengths and shape, finished in Polyester Powder Coating in an extensive range of wood and stone effect colours, to give a stunning presence to the facade of any project.

Sublimation technology is used to transform architectural aluminium components to give them the appearance of wood and stone. Items such as windows, doors, shutters, louvres and even rainscreen panels can be transformed using the sublimation process.

① Aluminum
② Pre-treatments
③ Powder coating primer
④ Film Transfer

Tested and Certified

A2-a1.d0
EN 13501-1: 2018

⚙ Technical Features:

a. Slim panels from 20mm to 100mm thick to maintain a minimum stand off from the primary structure and keep a sleek non bulky appearance
b. Secured to a standard support frame (helping hand system)
c. Defined by BS476 part 4, aluminium alloys are **non-combustible**
d. Finish in Qualideco Class 2 meets **A2 reaction to fire** classification (EN 13501-1)
e. Discrete recess fixed system with 5mm + joints

⟲ Product Advantages:

a. Reduces installation time and cost for replacement of existing cladding with an A2 reaction to fire classification, solid aluminium panel with quality finish and durability.
b. Panels manufactured bespoke to project specific dimensions with either multi-panel build up or a full storey floor to floor height arrangement
c. Compatible with an extensive range of standard & project specific architectural fabrications to suit wide ranging applications
d. Our polyester powder coat finishes are guaranteed to BS 6496/12206-1 for up to 30 years or more depending on surrounding environmental conditions and maintenance.

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Innovation of product:

a. Built to last
b. Innovative modern design and solution
c. Unique bespoke façade designs
d. A multitude of finishes available – Wood and Stone Effect

Performance guarantee:

a. Wide range of globally supported warranties for architectural applications offering peace of mind where long term performance is priority
b. Qualideco Class 2 procedures improve the performance and lifetime of the finish

Specific colours can be developed, please contact Aluclad Systems local representative

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Product guidance - As Standard

Material:

Aluminium alloy sheet (Grade 1050A-H14/H24/4015-H12 to BS EN 485, BS EN 515 and BS EN 573) with a minimum thickness of 2 mm. For wider and curved panels, the thickness may be increased.

Fixing:

Stainless steel self-drilling screw with the special drill shaped bit designed or rivets to provide quick and trouble-free installation in metal constructions made from cold formed sections.

Product specification:

Manufacturer:	Aluclad Systems Ltd.
Web:	www.aluclafsystems.com
Email:	info@aluclafsystems.com
Tel:	+44 2030 114880
Address:	Office 32, 203-205 The Vale, London, United Kingdom, W3 7QS

Product Reference:	Aluclad Rainscreen Cladding System
Design:	Bespoke Design as detail drawings provided
Profile:	30mm deep cassette panels, 20mm recess joint
Materials:	3.0mm Aluminium 1050A-H24 Main Panel
Coating Type:	Powder Coating Qualideco Class 2 with sublimation effect
Coating Colour:	Woof or Stone Effect
Finish:	30% Gloss (Matt)
Warranty:	12 years from fabrication date

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Application:

Suitable for variety of Panel types:

- Flat sheet
- Cassette or Planks panels
- Turreted panels
- Bespokely formed
- Various thicknesses

Typical Installation Detail:

Horizontal Slim profiles with 20mm recess to create the image of timber boards overlapped each other.

EXISTING & RETAINED SFS AND INSULATION

VOID BETWEEN SLAB EDGE AND SHEATHING BOARD TO BE TIGHTLY PACKED WITH MINERAL WOOL INSULATION

ALUMINIUM CLADDING BRACKET

STAINLESS STEEL 5.5Ø SELF DRILLING FIXING WITH LOW PROFILE HEAD. HEAD TO BE COLOUR MATCHED TO PANEL

FFL

HORIZONTAL CAVITY BARRIER

ALUMINIUM VERTICAL RAIL. MILL FINISH

70mm THICK ROCKWOOL DUOSLAB INSULATION

TYVEK FIRE CURB BREATHER MEMBRANE

9mm Y-WALL SHEATHING BOARD

1.5mm THICK PPC ALUMINIUM PANEL