

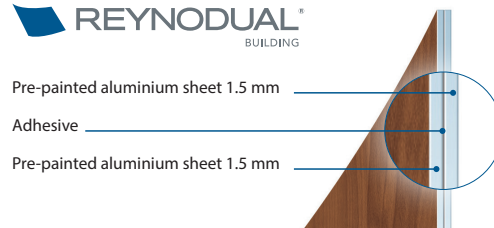
Pre-painted double sheet aluminium panel

Reynodual[®]

Application

Reynodual[®] is especially developed for outdoor applications such as ventilated facades, designing facades or wall cladding, both in the area of new buildings as well as refurbishments. Reynodual[®] panels can be installed in different cassette systems, screwed or riveted systems.

Learn more at www.arconicarchitecturalproducts.com



Colours range & Technical coatings

STANDARD:
Plain colours, Metallic ...

DESIGN Wood Design:
Mahogany, Oak, Zebrano ...

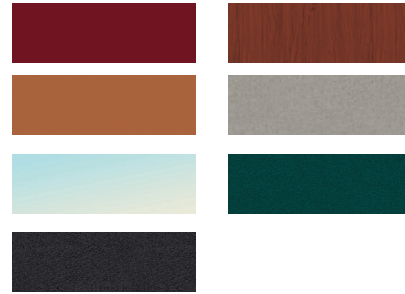
NATURAL Design:
Terracotta, Aciero Corten, Granite ...

MINERALS Design:
Concrete, Lime, Stone, Slate ...

EFFECTS:
Sparkling, Anodized, Chameleon ...

BRUSHED Look

CRINKLE[®]:
Textured surface



Technical coatings:

- Anti-Graffiti *
- StrongProtect
- Anti-Bacterial
- GreenShield - thermal regulation by reflecting the sun

* Please contact us

Cleaning

Regular cleaning of the facade is recommended to keep it nice and clean. For more information, please refer to our "Maintenance Guidelines".



Disclaimer

As our customer, you are solely responsible for selecting the proper materials (Arconic Architectural Products SAS's products) based on your customer's demand, the intended utilization, the technical characteristics of the product integration in the project, the compatibility with other utilized material, and if applicable, how these products are incorporated into other products. Laws and building and safety codes governing the design and use of AAP SAS's products, and specifically aluminum composite materials, vary widely. AAP SAS does not control how AAP SAS products are transformed or otherwise configured or used, nor how AAP SAS's products are combined with other materials. AAP SAS assumes no responsibility for any of the foregoing. It is the responsibility of the owner, the architect, the general contractor, the installer and the transformer, consistent with their roles, to make these determinations in strict conformity to all applicable national, regional and local building codes and regulations. PE products are not available for purchase from AAP SAS for consideration in architectural applications. AAP SAS is dependent upon Customer to provide true, accurate and complete information relating to product purchases.

Composition pre-painted double sheet aluminium panel Reynodual[®]

Thickness	3 mm (-0.0/+0.3 mm)
Thickness pre-painted aluminium sheet	1.5 mm
Alloy & temper	Series 3000
Front side finish	Anti-corrosion treatment and DURAGLOSS [®] 5000 (35 µm), PVDF 70/30* (25 µm)** or polyester* (26 µm)
Reverse side finish	Anti-corrosion treatment and a varnish protection

Characteristics pre-painted double sheet aluminium panel Reynodual[®]

Width	1,000 mm / 1,250 mm / 1,500 mm / 1,575 mm (-0/+3 mm) If 2,000 mm requested, contact us. If others requested, contact us.
Length	2,000 mm up to 6,050 mm (< 4 m: -0/+3 mm; > 4 m: -0/+6 mm)
Weight	8.2 kg / m ²
Tolerance in squareness	< 3 mm
Tolerance in bow	< 2 mm / 500 mm over lengths and widths

Performance pre-painted double sheet aluminium panel Reynodual[®]

Bond integrity	ASTM D1876	4.37 N / mm (mini) or 25 lbf / inch
Tensile strength R _m	NF EN 1396	140 – 185 MPa in 3003 H44
Yield strength R _{p0.2}	NF EN 1396	≥ 110 MPa in 3003 H44
Modulus of elasticity E		70,000 N / mm ²
Stiffness (EI)		0,166 kN m ² / m
Thermal expansion		2.4 mm / m for a temperature variation of 100 °C
Temperature resistance		-40 °C / +80 °C
Maximum allowable deflection		L / 90

Performance and durability pre-painted aluminium sheet

Specular gloss	EN 13523 – 2 ASTM D 523	DURAGLOSS [®] 5000: from 3 % to 80 % PVDF 70/30***: from 25 % to 30 %
Durability class	NF EN 1396	Class 4: severe industrial – extreme conditions / very severe coastal marine (less than 3,000 m from the sea) / high UV plus severe conditions
Pencil hardness	EN 13523 – 4	HB – F
Resistance to cracking on rapid deformation	EN 13523 – 5	No cracking, no loss of adhesion
Adhesion after indentation	EN 13523 – 6	100 % of adhesion
Resistance to cracking on bending	EN 13523 – 7	(On process)
Acetic salt spray fog resistance	EN 13523 – 8	1,000 h
Water immersion resistance	EN 13523 – 9, AAMA 620	3,000 h
Humidity resistance	ASTM D 224, AAMA 620	3,000 h
Mortar test	AAMA 620	No effect
Acid resistance	AAMA 620 ASTM D 1308	Nitric acid: ΔE < 5 units except some blue and metallic colours Hydrochloric acid: no effect
Detergent resistance	AAMA 620	No effect
Colour fastness on natural weathering	5 years 45° South Florida	Colour variation: 5 to 10 units (ΔE) depending on colour
Resistance to chalking on natural weathering	5 years 45° South Florida	Rating ≥ 8

Fire certificates for Reynodual[®]

Europe	EN 13501 – 1	A2-s1, d0
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* two-side coated
** Please contact us

The technical data refer to currently available products. Please notice that the specific characteristics of each project have to be taken into account (country, delivery time, size of transport containers etc.).



Reynolux[®]: EN 15088
0036-CPR-M-081-2014



CAD files and BIM objects:
You can find all the CAD system files for riveted and screwed installation as BIM objects in electronic form on our website.
Scan the QR code below!

