

Aluminium composite panels &
coil-coated aluminium sheets
Transform. Create. Fascinate.

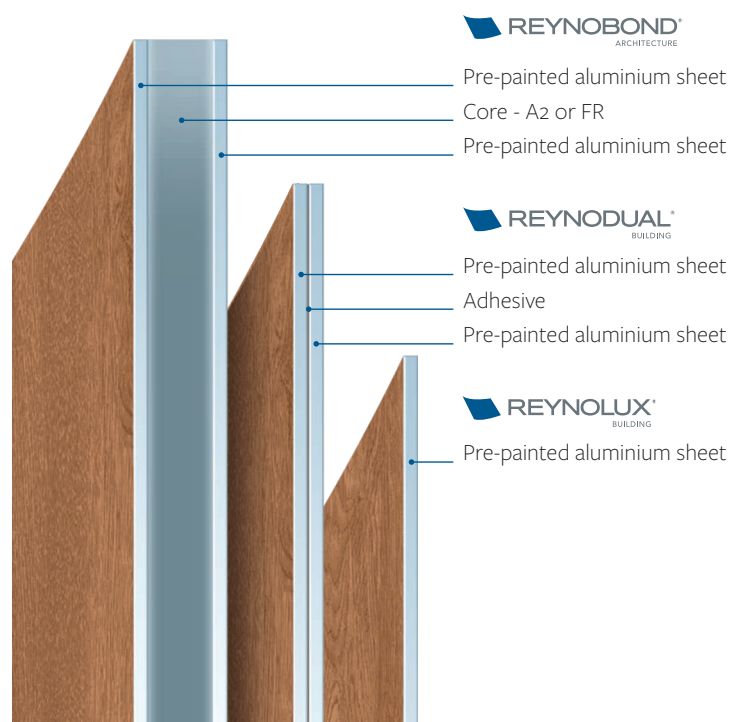
Complete versatility in exterior applications – with Reynolux®, Reynobond® and Reynodual®.

Reynolux® Building pre-painted aluminium is manufactured through coil-coating. It comes with a large variety of coatings. The benefits of Reynolux® Building pre-painted aluminium are numerous: in addition to its UV and weather resistance it is also easy to transform and shape. Please ask for the datasheet for more information.

Reynobond® Architecture composite panels consist of two coated aluminium sheets that are laminated to both sides of a core - A2 or FR (fire-retardant). Flatness, low weight, small extension, high corrosion and weather resistance are some of the advantages that make it an outstanding product. Please ask for the datasheet for more information.

Reynodual® Building is a pre-painted double sheet aluminium panel completing our portfolio. Its attributes are similar to Reynobond® Architecture composite panel: regarding for example easy processing or various applications. Please ask for the datasheet for more information.

As the three products are produced in the same manufacturing plant, it offers you the possibility to obtain identical colours and advantages to combine the products on the same project.



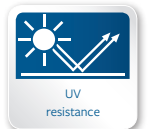
Advantages:

• Products:

- ✓ Cost-effective: easy and quick installation and maintenance
- ✓ Highly UV and weather resistant
- ✓ Warranty up to 20 years
- ✓ Easy to transform and bend: freedom in design for unusual shapes

• Service:

- ✓ In widths up to 2,000 mm and lengths up to 6,050 mm
- ✓ Flexible and short lead times



Versatile and easy to transform.

Reynolux® Building, Reynobond®Architecture and Reynodual® Building panels and sheets enable flexibility in transformation allowing freedom in design for unusual shapes.

REYNOLUX®

TRANSFORMATION

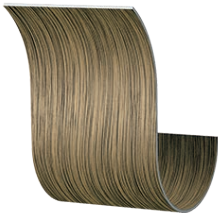
- Bending
- Profiling
- Pressing
- Rolling



REYNOBOND®

TRANSFORMATION

- Bending
- Rolling



REYNODUAL®

TRANSFORMATION

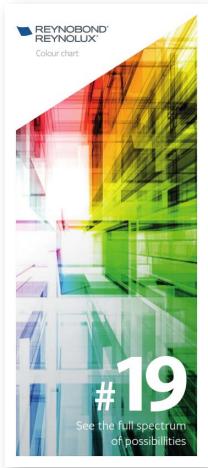
- Bending
- Rolling

Wide range of colours.

You can find all surfaces in our colour charts:

- **WOOD Design:** Oak, Zebrano
- **NATURAL Design:** Granite, minerals
- **STANDARD:** Unicolour
- **EFFECTS:** Chameleon, sparkling
- **METALS:** Stainless steel, brushed, mirror
- **MINERALS:** Stone, lime, concrete
- **BRUSHED** Look

All RAL- and NCS-standard colours can be supplied, as well as customized colours.

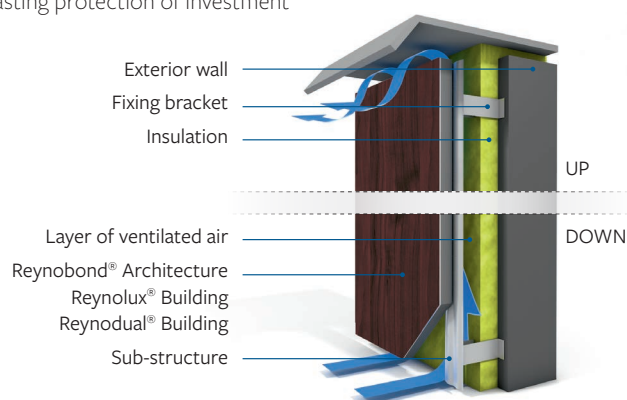


Ventilated facades— an energy-saving solution.

Reynobond® Architecture, Reynolux® Building and Reynodual® Building ventilated facades contribute greatly to improving the energy performance of buildings and to achieving the objectives defined by the HQE (High Quality Environmental) approach and specific labels such as HPE (High Energy Performance) and Effinergie as well as for passive houses and renovation projects.

ADVANTAGES

- Thermal inertia
- Reduction in structural thermal bridging and in energy consumption
- Protection against rain and weather
- Lasting protection of investment



Paint qualities & Technical coatings

A good resistance to corrosion, UV and aging, a good flexibility required for transformations and a wide range of colours are some of the advantages offered by our paint qualities. They both come with a 20 years warranty.

• DURAGLOSS® 5000:

A high-tech coating that optimally combines attractive appearance and long life. DURAGLOSS® is available in our full range of colours and glosses.

• PVDF 70/30:

A high-tech coating especially developed for architectural applications. It is well-suited for our whole satin range.

Ask for the datasheet for more information.

As an innovation leader we have developed technical coatings to meet the specific needs of our customers in different markets. Next to their classical properties as decoration and protection our coatings also provide special features. They guarantee increased protection and an additional functionality developed for specific usage.

- **EcoClean™:** Helps clean both itself and the surrounding air
- **Anti-Graffiti:** Assists an easy cleaning of the graffiti
- **StrongProtect:** Highly scratch-resistant
- **GreenShield:** Reduces heat absorption by reflecting IR rays
- **Anti-Bacterial:** Hostile environment for bacteria and germs.



Technical data Reynolux®, Reynobond® and Reynodual®

Products composition		Reynolux®	Reynobond® FR	Reynobond® A2	Reynodual®
Thickness composite panel		-	4mm	4mm	3mm
Thickness pre-painted aluminium sheet		1 mm - 1,5 mm - 2mm	0,5mm (± 0.1 mm)	0,5mm (± 0.1 mm)	1,5mm
Alloy & temper		Series 3000 or 5000 (others possible)	Series 3000	Series 3000	Series 3000
Core		-	FR	A2	-
Front side finish		DURAGLOSS® 5000 or PVDF 70 / 30 and anti-corrosion treatment Other on request	DURAGLOSS® 5000 or PVDF 70 / 30 and anti-corrosion treatment Other on request	DURAGLOSS® 5000 or PVDF 70 / 30 and anti-corrosion treatment Other on request	DURAGLOSS® 5000 or PVDF 70 / 30 and anti-corrosion treatment Other on request
Reverse side finish		Washcoat - Other on request	Washcoat - Other on request	Washcoat - Other on request	Washcoat - Other on request
Products characteristics					
Width		1.000mm/1.250mm/1.500mm/2.000mm Other widths, please consult us. If above 1.500 mm requested, contact us.	1.000mm/1.250mm/1.500mm/1.750mm/2.000mm	1.000mm/1.250mm/1.500mm/1.575mm	1.000mm / 1.250mm / 1.500mm If 2.000mm request, contact us
Length		Available in coils & sheets: 250mm - 6.000mm If above requested, contact us	2.000mm up to 6.050mm	2.000mm up to 6.050mm	2.000mm up to 6.050mm
Weight		To be defined according to thickness	7.6kg/m²	8.2kg/m²	8.2kg/m²
Tolerance in squareness		<3mm	≤ 3mm	≤ 3mm	<3mm
Tolerance in bow		<2 mm/500 mm over lengths and widths	≤ 2 mm/500 mm over lengths and widths	≤ 2 mm/500 mm over lengths and widths	<2 mm/500 mm over lengths and widths
Products performance					
Tensile strength (R _m)	EN 1396	According to alloy & temper	According to alloy & temper	According to alloy & temper	140-185 MPa
Yield strength R _{p0.2}		According to alloy & temper	According to alloy & temper	According to alloy & temper	≥ 110 MPa
Stiffness (EI)	CSTB, DIBT	-	0.242kN.m²/m	0.242kN.m²/m	0.166kN.m²/m
Thermal expansion		2.4mm/m for a temperature variation of 100 °C	2.4mm/m for a temperature variation of 100 °C	2.4mm/m for a temperature variation of 100 °C	2.4mm/m for a temperature variation of 100 °C
Temperature resistance		-	-40 °C/+80 °C	-40 °C/+80 °C	-40 °C/+80 °C
Maximum allowable deflection		-	L/30	L/30	L/90
Fire classification					
Europe	EN 13501	-	B-s1, do	A2-s1, do	A2-s1, do

For more information, please ask for the dedicated datasheet.

Our paint datasheets are also available, please ask for the dedicate datasheet.

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

About Reynobond Architecture, Reynolux Building and Reynodual Building

With Reynobond® aluminium composite panels, Reynolux® coil-coated aluminium and Reynodual® double sheet aluminium panels Arconic Architectural Products SAS (AAP) based in Merxheim/France, a subsidiary of Arconic Inc., an internationally leading company for technologies, engineering and manufacturing processes, offers a wide range of products for architecture and construction.

As you can expect from a global company, AAP is certified according to the international standards ISO 9001 and 50001 as well as OHSAS 18001. Reynobond® Architecture, Reynolux® Building and Reynodual® Building panels and sheets are coated and bonded in France. AAP have ISO 14001 certification, indicating their voluntary engagement in reducing the impact of their activity on the environment at all levels: water, energy or waste.



CAD files and BIM objects



BIM objects library: You can now import our 5 facade systems with our composite panels and pre-painted sheets, as well as our 140 textures in your projects to get the most realistic renderings.

Scan the QR-code now!

Disclaimer

Laws and building and safety codes governing the design and use of AAP's products, and specifically aluminium composite materials, vary widely. It is the responsibility of the owner, the architect, the general contractor, the installer and the fabricator/transformer, consistent with their roles, to determine the appropriate materials for a project in strict conformity to all applicable national, regional and local building codes and regulations.



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Reynolux®: EN 15088
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