

Duragloss® 5000



Main features

Reynolux® Building pre-painted aluminum offers an outstanding corrosion resistance thanks to our coil-coating technology. The advantages are particularly obvious for large area applications, which place exceptionally high demands on evenness in colours.

Duragloss® 5000, which is developed by us, presents three major advantages:

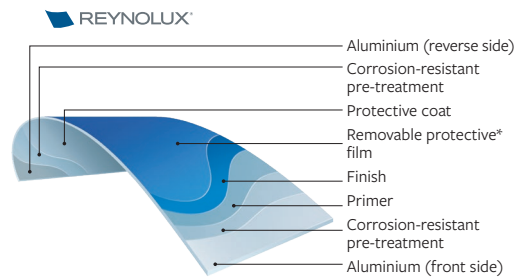
- Flexibility: Duragloss® 5000 shows good flexibility, which is required for transformations such as bending and profiling
- Aesthetic: Duragloss® 5000 offers an extremely large range of colours. The range includes a high matt finish.
- Durability: Duragloss® 5000 not only provides a very high resistance to aging, UV and corrosion, but it is also effective against chalking. It is adapted to every kind of climate. Moreover, our products come with warranties between 15 to 20 years for an exterior application.



Applications

Reynolux® Building Duragloss® 5000 paint is specifically developed for outdoor applications such as facades and roofs, both in the area of new buildings as well as refurbishment. Reynolux® Building can be installed as clapboards, claddings, trapezoidal sheets, sandwich panels, siding or as cassettes systems.

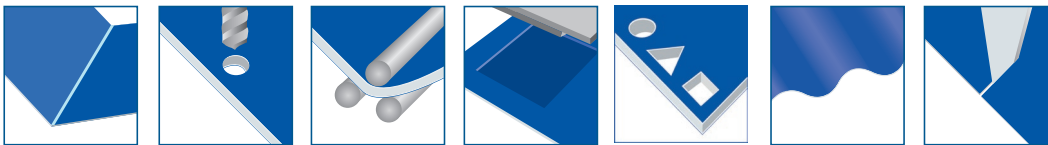
Learn more at www.reynolux.eu



*Protective film should be peeled-off immediately after the installation of the panels.

Fabrication

Below you can find the main fabrication methods for Reynolux® Building:



Folding

Drilling

Bending

Pressing

Punching

Profiling

Cutting

Cleaning

Please refer to the cleaning instructions of the technical datasheet “Maintenance guidelines for Reynolux® prepainted aluminium sheets“.

References

BASICS: Plain colours, Metallic

NATURAL: Granite, Aciero

EFFECTS: Sparkling, Matt anodized, Chameleon

WOOD: Mahogany, Oak, Zebrano

CRINKLE

MINERAL: Stone, Lime, Concrete

Options: Anti-Bacterial, GreenShield.

On request Anti-Graffiti and StrongProtect

Performance and durability Reynolux® pre-painted aluminium sheet		2-coats	3-coats
Coating thickness depending on colour	EN 13523 - 1 ASTM D 7091	35 µm to 40 µm BASICS: Plain colours, Metallic NATURAL: Terracotta, Minerals EFFECTS: Anodized Look CRINKLE	50 µm to 55 µm NATURAL: Granite, Patina, Corten, Stone WOOD EFFECTS: Sparkling and Chameleon BRUSHED Look MINERAL
Specular gloss	EN 13523 - 2 ASTM D 523	High gloss, Satin, Matt and MattXtrem	
Durability class	NF EN 1396	Class 4: severe industrial – extreme conditions, very severe costal marine (less than 3,000 m from the sea), high UV, plus severe conditions	
Pencil hardness	EN 13523 - 4 ASTM D 3363	> HB	
Resistance to cracking on rapid deformation	EN 13523 - 5 ASTM D 2794	No cracking, no loss of adhesion	
Adhesion after indentation	EN 13523 - 6 ASTM D 3359	100 % of adhesion	
Resistance to cracking on bending	EN 13523 - 7 ASTM D 4145	Very good flexibility (0.5T), depending on alloy and temper	
Acetic salt spray fog resistance	EN 13523 - 8 ASTM G 85	1,000 h	
Water immersion resistance	EN 13523 - 9 ASTM D 870	3,000 h	
Humidity resistance	EN 13523 - 25 ASTM D 2247	3,000 h	
Mortar test	AAMA 2605	No effect	
Acid resistance 10 % HCl solution (15 min/23°C) 20 % H ₂ SO ₄ solution (18 h/23°C) Nitric Acid	AAMA 2605 ASTM D 1308	Hydrochloric acid: no effect Sulphuric acid: no effect Nitric acid: ΔE < 5 units except some blue and metallic colours	
Detergent resistance: 3 % VIGOR solution (72 h/30°C)	AAMA 2605	No effect	
Colour fastness on natural weathering	Florida Exposure 45° South EN 13523 - 3 ASTM D 2244	After 5 years exposure: Colour variation: 5 to 10 units (ΔE) depending on colour	
Resistance to chalking on natural weathering	Florida Exposure 45° South ASTM D 4214	Rating ≥ 8	

Arconic Architectural Products SAS, responsible market leader in aluminium

Reynolux® pre-painted aluminium sheets are coated in France, based on 50 years of experience. Coil-coating is the most economical, efficient, high-quality and environmentally friendly method for applying coatings to aluminium panels.

As a member of the ECCA (European Coil Coating Association) we comply with the ISO and EN standards in all the countries, where NF EN 1396: “Aluminium and aluminium alloys. Coil-coated sheet and strip for general applications” is required as a standard.

Arconic Architectural Products Merxheim (AAP) also uses environmentally-friendly materials and complies with ISO 14001, which shows the voluntary commitment of the company to reduce its impact on the environment at all levels: water, energy, waste and use of resources. Our Reynolux® coil-coated sheets are 100% recyclable. Moreover we develop continuously by improving the coatings in terms of their composition (solvents and pigments), durability and cleaning requirements.

Disclaimer

Laws and building and safety codes governing the design and use of Arconic Architectural Products SAS's (AAP) products 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.