The technical data refer to currently available products. Please notice that the specific characteristics of Reynobond® and Reynolux® performance and durability pre-painted aluminium sheet Reynolux® building:

- **Maximum allowable deflection** l/30 (allows higher wind pressure or bigger sized elements)
- **Temperature resistance** –40 °C / +80 °C
- **Resistance to cracking on rapid deformation** EN 13523 – 5 No cracking, no loss of adhesion
- **Adhesion after indentation** EN 13523 – 6 100 % of adhesion
- **Acetic salt spray fog resistance** EN 13523 – 8 1,000 h
- **Humidity resistance** ASTM D 224
- **Colour fastness on natural weathering** 5 years 45°
- **Resistance to chalking on natural weathering** 5 years 45°

For Reynolux® Building, the project and your requirements is at the same time an aspiration and a challenge. It not only relates to our products, but also involves responsible management of our natural resources. And it is our benchmark ensuring we always provide you with the best available solution for your very particular requirements.

Find out more at www.excellence-in-innovation.eu.

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**Technical data Reynobond® and Reynolux®**

- **Reynobond® Building**: For Reynobond® Building, the project and your requirements are in terms of design will determine the nature, you also think to 3000 to 6000 and thickness from 0.8 mm to 4 mm. We perform a fire resistance test and a deflection test with this equipment.
- **Reynolux® Building**: Reynolux® Building is a fire retardant material, it does not burn.

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**Specifications and combinations for architectural sheets Reynobond®**

- **Material**: Aluminium composite panels and Reynolux® aluminium sheets. We offer a wide range of profiles for architecture and building projects.
- **Color Coatings**: 3 mm
- **Coating Methods**: 2-coat polyester: from 25 % to 80 % Hydrochloric acid: no effect

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**Technical data Reynobond® and Reynolux®**

- **Alloy & temper**: 3005 H46
- **Tolerance in squareness**
  - length 2,000 mm up to 6,050 mm (< 4 m: –0/+3 mm ; > 4 m: –0/+6 mm)
- **Durability class NF EN 1396 Class 4: severe industrial – extreme conditions / very severe costal marine 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**
- **Acetic salt spray fog resistance EN 13523 – 8 1,000 h**
- **Humidity resistance** ASTM D 224
- **Colour fastness on natural weathering** 5 years 45°
- **Resistance to chalking on natural weathering** 5 years 45°
- **Fire certificates pre-painted aluminium sheet Reynolux® building**: Which ones, they come with all the solid virtues you would expect of a global company. This means, for example, that you get a warranty of up to 20 years on our DURAGLOSS® surfaces. Member of the ECCA (European Coil Coating Association), our company is certified according to the international standards ISO 14001 and ISO 9001.

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**Aluminium composite panels and sheets: Transform – Create – Fascinate.**
Complete versatility in exterior applications – with Reynobond® and Reynolux®.

Reynobond® Building is a coated aluminium sheet manufactured through coil coating. It can be painted with a unique colour variety of coatings. The benefits of Reynobond® Building are versatile. In addition to its UV and weather resistance it is also easy to transform and shape.

Reynobond® Architecture is a composite panel consisting of two coated aluminium sheets that are laminated to both sides of a core (polyethylene or fire-resistant). It offers numerous advantages for low weight, small extension, high corrosion and weather resistance making it an outstanding product. Reynobond® Architecture is a solid material offering perfect flatness especially for large-scale implementations with specific requirements.

Reynolux® Building is a coated aluminium sheet manufactured through coil coating. It can be painted with a unique colour variety of coatings. All RAL- and NCS-standard colours can be supplied, as well as customized colours.

Reynobond® and Reynolux® in the same project.

Environmental option: Reynobond® | Reynolux® with EcoClean™.

Reynobond® | Reynolux® with EcoClean™ are the first aluminium facade materials (sheet or composite panel) that are both cost-effective and environmentally friendly. Using sunshine and humidity, particles of dirt and smog are rendered harmless. This is how the EcoClean™ coating contributes to the self-cleaning of the facade and the removal of pollution from the surrounding air.

Advantages:
- Protecting the environment
- Improvement of image
- Cost-effectiveness

Advantages: Protecting the environment
- 1,000 m² of EcoClean™ results at around 4000 trees.

Advantages: Improvement of image
- The facade remains beautiful and clean over the long term.
- Cost-effectiveness
- The self-cleaning feature of Reynobond® | Reynolux® with EcoClean™ considerably reduces the costs of cleaning and maintenance. Over half the costs of cleaning and scheduled maintenance on the facade can be saved.

Application: EcoClean™ is applied to walls exposed to rain and sunshine.

Availability: EcoClean™ is applied to walls exposed to rain and sunshine, with the exception of the darker satin colours in DUROGloss®-5000.

Additional information: To find out more about EcoClean™, you can retrieve information, videos or brochures on our website www.excellence-in-innovation.com, on the EcoClean™ tab.

Wide range of colours.

You can find all surfaces in our colour charts:
- WOOD Design: Oak, Zebrano
- NATURAL: Granite, Minerals
- STANDARD: Unicolour
- EFFECTS: Chromekor, sparkling
- METALS: Stainless steel, brushed, mirror

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

Ventilated facades – An energy-saving solution.

The Reynobond® Architecture and Reynolux® Building in the tested facade contribute greatly to improving the energy performance of buildings and to achieving the objectives defined by the EU 2020 Strategy. Environmental impact and specific labels such as HQE (High Quality Environmental) as well as for passive houses and renovation projects.

Advantages:
- Thermal inertia
- Reduction in structural thermal bridging
- Reduction in energy consumption
- Protection against rain and weather
- Leasing protection of investments
- Acoustic insulation improvement of 15 dB to 16 dB

Flexible and short delivery times
- Lengths up to 6,050 mm

Cost-effective:
- Simple installation
- Low maintenance
- Long term.

Versatile and easy to transform.

Reynobond® Architecture and Reynolux® Building are characteristic by an easy and quick installation but also by a long service life that require little maintenance. The flexibility to transform on allows freedom in design for unusual shapes.

Pre-painted aluminium sheet
- Easy and quick installation
- Lengths up to 6,050 mm

Advantages:
- Cost-effective
- Easy and quick installation
- In widths up to 2,000 mm and heights up to 0,353 mm
- Flexible and short delivery times
- Advice, before and during projects

Applications Reynobond® Architecture:
- Facade (ventilated facades)
- Exterior claddings, roof construction and traffic
- Implementation of flat or curved soffits
- Claddings for balustrades
- Accessories (gutters, window sills)

Applications Reynolux® Building:
- Facade (reinforced or corrugated metal sheeting, cassette, facade accessories, sandwich panels, honeycomb panels)
- Roofs (not claddings, standing seam roofs, root profiles, gutters)
- Accessories (seals for ledges, roofs, corners etc., edge finishes, windows sills)

METALS: Stainless steel, brushed, mirror

Stainless steel, brushed, mirror

Wood Design: Oak, Zebrano

Natural: Granite, Minerals

Standard: Unicolour

Effects: Chromekor, sparkling

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

Applications Reynolux® Building:
- Roofs (roof claddings, standing seam roofs, honeycomb panels)
- Claddings for balconies
- Implementation of flat or curved soffits
- Exterior claddings, roof construction and trims
- Facades (ventilated facades)
- Offices, industrial buildings, large prestige projects

Advantages:
- Cost-effective
- Easy and quick installation
- Lengths up to 6,050 mm
- Flexible and short delivery times
- Advice, before and during projects

Applications Reynobond® Architecture:
- Facade (ventilated facades)
- Exterior claddings, roof construction and traffic
- Implementation of flat or curved soffits
- Claddings for balustrades
- Accessories (gutters, window sills)