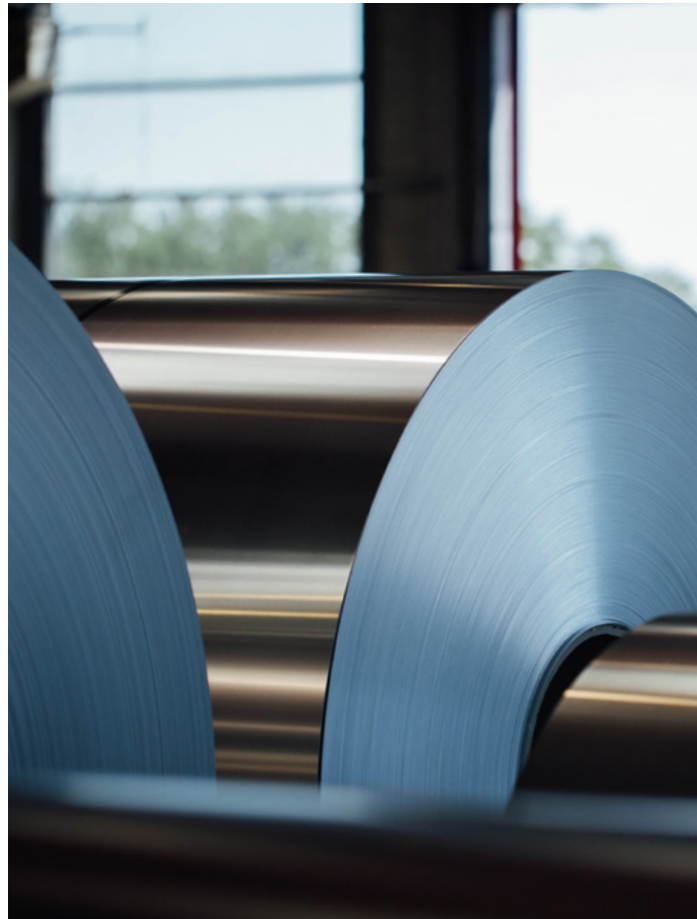


TRANSPORT AND INDUSTRY

COIL COATED ALUMINIUM





ARCONIC ARCHITECTURAL PRODUCTS: EXPERTISE AND FLEXIBILITY

Arconic Architectural Products SAS Merxheim (AAP Merxheim) is a European supplier of coil coated aluminium. The field of applications is wide and includes innovative solutions for transport and industry.

With over 60 years of experience, AAP Merxheim is committed to exceptional service and quality worldwide. Reliable and flexible, AAP Merxheim is the partner you need. Our technical experts are trained to understand your specific requirements and help you reach your goals with bespoke solutions. If we can possibly meet your needs, we will!

With a strong metallurgical background and knowledge base, AAP Merxheim works with the largest European rolling mills. We give you access to a large portfolio of about 200 active metal specifications, meeting your needs in terms of mechanical properties, transformation challenges and dimensions.

Save time and resources with Reynolux®

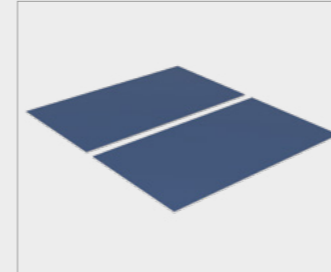
Reynolux® pre-painted coils and sheets are ready for fabrication. You do not need to use your own resources, such as water and chemicals, to carry out degreasing and surface treatment. Other advantages include Reynolux® aluminium being lightweight and 100% recyclable.

By choosing Reynolux®, you remove steps in your process and save time. Our flexible and durable paint withstands demanding transformations such as pressing, stamping, punching, profiling and folding. Depending on the applications and your needs, Reynolux® can be pre-painted in different configurations:

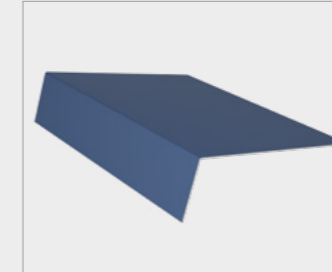
- with a technical coating on one or both sides, for a product which will later be assembled or covered
- with a decorative finish on one or both sides, which means post-painting after transformation is no longer required!
- with a mix of technical coating on one side and decorative finish on the other side, for an immediate aesthetic result after assembly of the final product

REYNOLUX® EXTREME VERSATILITY

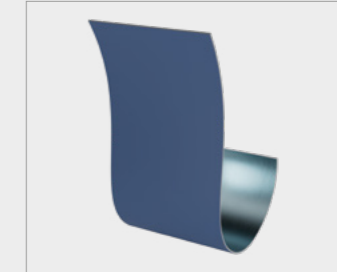
Reynolux® is easy to transform and shape in original and complex pieces. Here are the main fabrication methods:



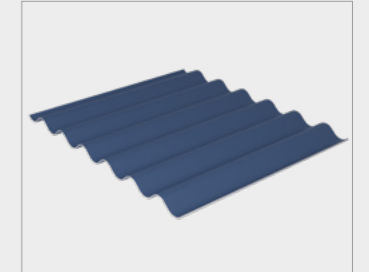
Cutting



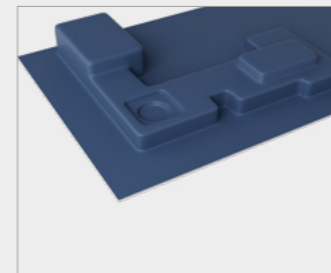
Folding



Bending



Roll-forming



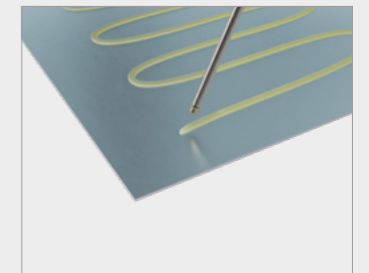
Pressing / Stamping



Drilling



Punching



Glueing / Foaming

Highly resistant to corrosion, UV and ageing, Reynolux® coil coated aluminium is a durable and polyvalent product. Depending on your needs, you can use Reynolux® for its decorative properties or for the outstanding performance of its technical coatings, which include:

- Heat-reactive bonding agents
- Adhesion primers
- Coatings with specific functionalities, such as AntiStatic or thermal emissivity properties

Small quantities, short delivery times

Depending on coating, metal and dimensions, we can deliver coils or sheets of 1 000 kg minimum quantity, with a dispatch time from 48 hours. Please check the possibilities with your Arconic contact.

Reynolux® Standard Technical Data

Standard Alloy Series	3000 / 4000 / 5000
Thickness	0.28 to 2 mm
Width	20 to 2 000 mm
Length	1 000 to 6 000 mm

Other specifications are available upon request or can be developed.

HEAT-REACTIVE BONDING AGENTS

Reynolux® coils coated with bonding agents must be heated to activate their binding properties.

Bonding agents for PVC, PP or TPE

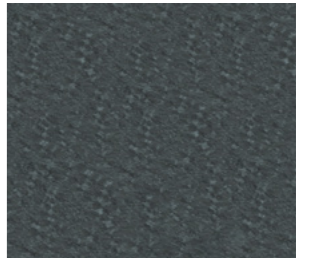
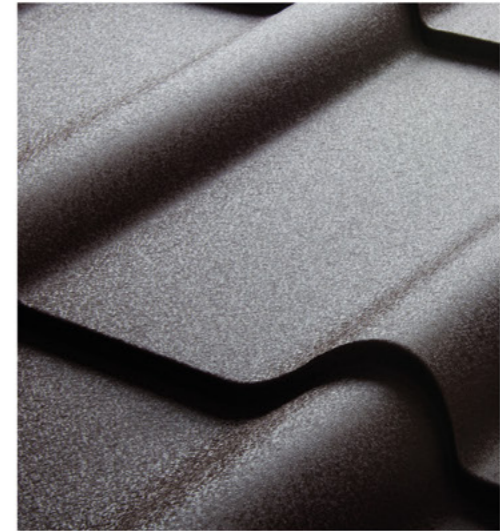
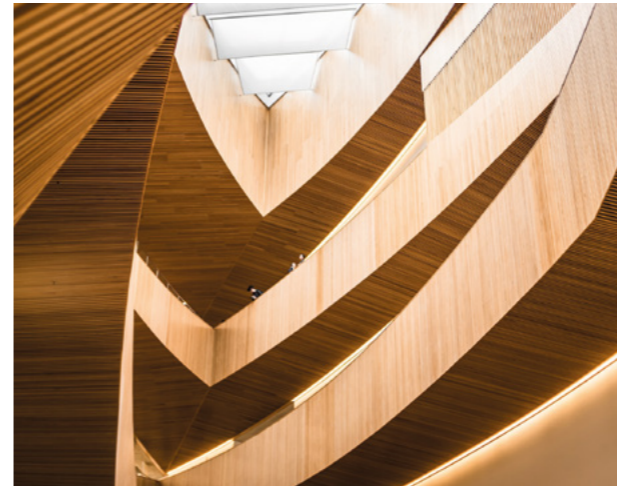
Reynolux® aluminium can be associated with polyvinyl chloride (PVC), polypropylene (PP) or thermoplastic elastomer (TPE) parts during an extrusion process to produce roof and door strips. Bonding agents also allow lamination of PVC film for the fabrication of decorative panels.

Bonding agent for rubber

Reynolux® aluminium can be associated with rubber during the vulcanisation process to strengthen a part and give that part its final shape. This aluminium/rubber association is frequently used for the fabrication of car door seals or dampers.

Other types of bonding agents

At AAP Merxheim, we can also coil coat bonding agents for materials including wood and cardboard, as well as all types of plastic.



COIL COATED ADHESION PRIMERS

Glueing or foaming

Our wide range of coil coated adhesion primers allows manufacturing of many types of sandwich, honeycomb and composite panel, glued or foamed. Whether for the bonding of the panel or for a decorative finish, AAP Merxheim offers many solutions for indoor and outdoor applications.

Varnish for sticky film

At AAP Merxheim, we can coil coat special varnishes, ideally developed to receive sticky films, a common process in the manufacture of road signs. Advantages of Reynolux® coil coated aluminium include anti-corrosion treatment and easier transformation compared to bare aluminium.

Post-painting

Our adhesion primer for post-painting is ready to receive the final coat of liquid or powder paint. Compared to alternative options, you save time and money on degreasing, cleaning and anti-corrosion treatment by using Reynolux® pre-painted aluminium. Reynolux® is an ideal solution for painting small quantities < 1 000 kg or when edges must be painted.



Whatever your project, we can work in partnership with you to develop the bonding agent, adhesion primer or the metal specification you need. Our many years of experience will prove invaluable.

DISCOVER OUR DECORATIVE COATINGS

Reynolux® offers a huge and inspiring range of colours and designs to let your creativity flow, whatever the project.

You can choose from multiple paint qualities, an almost unlimited range of colours and gloss levels from MattXtrem 3% to High Gloss ≥ 80%, as well as technical coating options to add protection and functionality for specific applications:

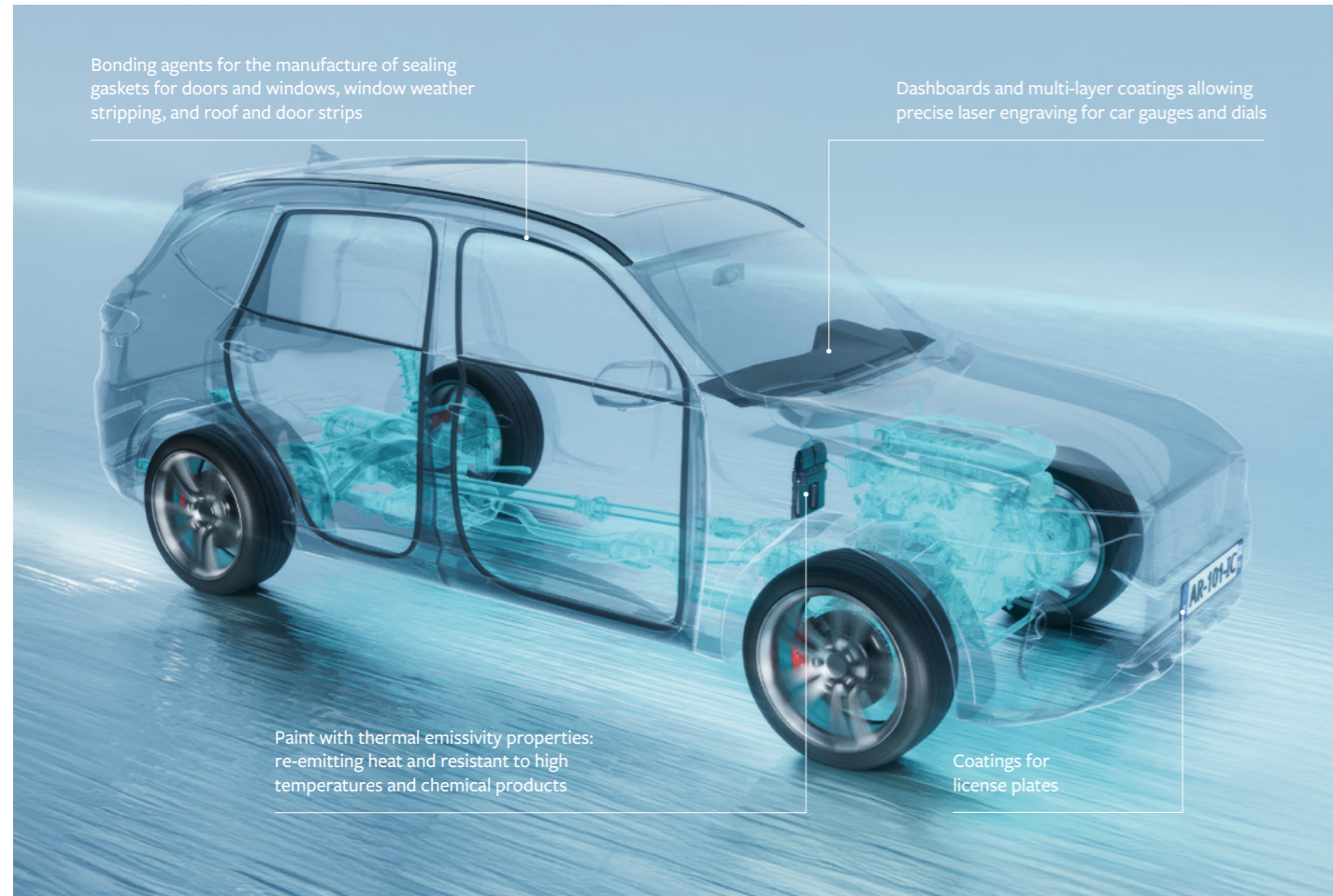
- **GreenShield** delivers thermal regulation by reflecting the sun and is ideal for applications including the exterior cladding of mobile homes and conservatories
- **AntiStatic** is a paint which delivers controlled resistivity, neither attracting nor repelling dust, and is therefore particularly suitable for clean rooms
- **Stripe Coating** allows coil coating in several colour stripes. Stripe coating is an interesting option for recreational vehicles and caravans

Other coating options we offer include **Anti-Graffiti**, **EasyClean** and **StrongProtect**, as well as coatings suited for digital printing and sublimation. Contact us or refer to our colour collections brochure for more information. Technical options are not available for all paint qualities. Please check with your Arconic contact for more information.

Ask for our colour collections brochure to know more about our decorative finishes or visit our website www.arconicarchitecturalproducts.eu

TRANSPORT

Across the world, AAP's Reynolux® pre-painted aluminium brings diverse and innovative solutions – from performance benefits to decorative properties – to public transport and vehicles, large and small.



Other applications in the field of transport

- Floor-to-ceiling interior cladding of boats, trains, buses and caravans – for example, partition walls and accessories. In most of these applications, Reynolux® is part of a sandwich, honeycomb or composite panel.
- External cladding on campervans, recreational vehicles, commercial vehicles, trailers, tanker trucks and containers.



INDUSTRY

Across international industry, Reynolux® is renowned for delivering the quality, flexibility and functionality needed by the world's leading companies. Reynolux® can be found in many industrial products, including:

Indoor applications

- Cladding of interior walls, conservatories and residential outbuildings
- Door and elevator cladding
- White and clean rooms
- Sandwich panels for underfloor heating

Outdoor applications

- Road and traffic signs
- Canopies for bus shelters
- Formwork panels
- Satellite dishes

These are just some examples of the many products that can use Reynolux® coil coated aluminium. Contact us now to learn more about how we can help you meet your functional and creative project goals with Reynolux®.

Machinery and appliances

- Air conditioners
- Light booths
- Pressure gauges with laser engraving
- Machine cladding

Everyday products and miscellaneous

- Aerosol valve cups for hygiene and food applications
- Razors, trash cans and bicycle bells
- Soles of safety shoes

Disclaimer

As our customer, you are solely responsible for selecting the proper materials (AAP products) based on your customer's demand, the intended utilisation, the technical characteristics of the product, integration in the project, the compatibility with other utilised material, and if applicable, how these products are incorporated into other products. AAP does not control how AAP products are fabricated, transformed or otherwise configured or used, nor how AAP's products are combined with other materials. AAP assumes no responsibility for any of the foregoing.

Laws and building and safety codes governing the design and use of AAP's products vary widely. It is the responsibility of the owner, the architect, the general contractor, the fabricator/installer and the 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.



REYNOLUX®