

Reynolux[®] coil-coated aluminium

Maintenance guidelines

General

Arconic Architectural Products SAS's (AAP) coil-coated aluminium sheets & coils all come with similar coatings designed for high-range aesthetic appearance and minimum maintenance.

We do recommend cleaning the surface to maintain the best appearance. The act of cleaning comprises all dirt-removing operations, which aims to restore the surface's original appearance as far as possible, as well as preventing the prolonged presence of aggressive agents found in the atmosphere (which can cause corrosion or permanent stains).

Although cleaning is a costly operation, the financial value of this operation must be compared with the value of the facade, both in terms of aesthetics and protection.

These recommendations are intended to assist architects, contractors, owners, building managers, etc., who are concerned with the care and maintenance of painted, architectural aluminium. The information contains

suggested methods as support to establish safe cleaning and maintenance procedures for an outdoor application: from roofs to facades.

CLEANING FREQUENCY: Frequent and regular cleaning is recommended. The frequency depends on the aggressiveness of the atmosphere in the area where the painted element will be used (building's geographical location, local soil type, weather, pollution, air conditions, etc.) coupled with the owner's attitude regarding the surface appearance.

As a general rule, the aggressiveness of the atmosphere on coil-coated aluminium depends on two main factors: degree of humidity (i.e. the length of time humidity stagnated on the surface) and pollution (i.e. the presence in the air of industrial fumes (especially sulphur dioxide), coal, etc.).

SAFETY: personal safety and protection is the top priority. Always ensure that protective equipment is worn: eye and skin protection, boots and gloves. Be aware of your surroundings.



General guidelines before cleaning

The act of cleaning should be done on a mild, cloudy day and always start with the mildest cleaning method first. If unsure, test the cleaning agent and method in an inconspicuous area and always follow manufacturer recommendations for mixing and diluting cleaners. Do not apply cleaner where you cannot rinse immediately prior to the chemical drying.

• **Choice of equipment:** Cleaning should be done manually or with special machines. If automatic wall cleaning equipment is to be used on a building, please follow the manufacturer's instructions. A test should be made on an inconspicuous area before cleaning to insure that the procedures will not have detrimental effects on the coating.

• **Choice of products and relative usage guidelines:** Cleaning agents depend on the site location and on the degree of contamination. Only water based mild cleaning agents should be used for cleaning coil-coated aluminium sheets & coils. The wrong detergent can affect the substrate, as well as the protective layer, and thus cause irreversible damages to the facade. In cases where the facades are soiled with non-water soluble dirt, solvents may be the only effective cleaning alternative.

EQUIPMENT – Do NOT use:

Steel or wire wool, abrasives, or anything likely to abrade or scour the painted surface

PRODUCTS – Do NOT use:

- Acid or alkaline detergents
- Organic solvents
- Detergents of unknown chemical composition
- Cleaners that contain abrasives
- Bleach

Dirt	Product to use	How to use this product
Water soluble	Water rinse	<ul style="list-style-type: none"> • Use moderate pressure combined with a physical rubbing with soft, wet brushes, sponges or cloth.
Non-water soluble	Mild detergent	<ul style="list-style-type: none"> • If safe for bare hands, should be safe for coated aluminium. • Use with brushes or sponges. • Rinse with water and dry.
	Stronger detergent	<ul style="list-style-type: none"> • Should be spot tested and could necessitate the wearing of appropriate gloves. • Same use as the one above. • Rinse with water and dry.
	Mild solvent	<ul style="list-style-type: none"> • Follow the manufacturer's recommendations. • Should be spot tested. • Use appropriate protective equipment. • Use a clean cloth to apply and remove. • Wash the remaining residue with a mild detergent, rinse with clear water and dry.

Cleaning

Make sure that the detergent and the facade are “cold” (max. 20°C) and not exposed directly to the sun. The washing operation must be carried out gradually, from top to bottom. However, it is important to know that

excessively frequent cleaning (or excessive rubbing) can do more harm than good. You should also never mix cleaners as it can result in poison gas emission. Follow the guidelines according to the selected products above.

After cleaning

Surfaces must be carefully and systematically rinsed with clear water, working from top to bottom, in order to remove the cleaning product residue. Wipe dry if possible. The excess of rinsing water must be dried off

with a sponge, squeegee or wash-leather, to remove the mineral residues from the rinsing water.

Finishing touches and touch-up:

This procedure is specifically used for repairing very small areas, which were damaged during erection or handling, like scratches or minor defects. Minor scratches can be retouched with air-drying paint and an artist brush. Minor deformations can be corrected with car body filler prior painting. However, we recommend testing on a standard size sample before undertaking any large scale coating process. For bigger surfaces, please contact your AAP sales representative.

- ✓ Surface must be clean, dry and free of contaminants.
- ✓ Wash down with a mild detergent solution.
- ✓ Rinse with clean water and make sure that all cleaning agent is removed.
- ✓ Dry carefully.
- ✓ Clean lightly the small area with a cloth impregnated with Xylol or Toluol.
- ✓ Wait for drying.
- ✓ Ambient air and surface temperatures should be above 10°C.
- ✓ Prepare touch-up paint following the supplier advice on the instruction leaflet.
- ✓ Apply touch-up paint delicately with a small artist brush on the prepared surface.

Cleaning of graffiti on anti-graffiti coil-coated surface

The cleaning of graffiti applies to spray paint and permanent marker. The graffiti should be removed as soon as possible after application. High-pressure cleaning is the only way to remove graffiti from surfaces. The surface can also be re-cleaned with a neutral cleaning agent and a soft cloth or sponge. In any case rinse away cleaning chemicals with liberal amounts of tap water. Wipe dry the surface with a soft leather or cloth. Follow the table above if there are remaining residues.

EQUIPMENT – Do NOT use:

Steel or wire wool, abrasives, or anything likely to abrade the painted surface

More information

- Technical coatings brochure
- Anti-Graffiti technical datasheet
- Online demonstration video
www.arconicarchitecturalproducts.eu

Disclaimer

As our customer, you are solely responsible for selecting the proper materials (Arconic Architectural Products SAS's (AAP) 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's products vary widely. 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. 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. AAP is dependent upon Customer to provide true, accurate and complete information relating to product purchases. Any laboratory testing information provided by AAP applies only to the particular product or assembly tested and does not necessarily represent how products will actually perform in use. Reports and test data corresponding to a particular tested product sample or assembly are not a guarantee that the same product or assembly would always achieve the same test result. Please ensure the product is used in a system that complies with applicable fire safety regulation.