

# System Guarantee 2021

Reynaers Aluminium guarantees that the Reynaers Aluminium systems meet the technical specifications and standards of the country and the product in question. The current processing and maintenance regulations mentioned in the Reynaers Aluminium catalogues determine the extent of this 10 year guarantee (a 5 year guarantee for wearing parts).



Reynaers  
Aluminium

Windows.  
Doors.  
Curtain Walls.

10  
YEAR  
system guarantee

## OBJECT OF THE GUARANTEE

The products delivered by Reynaers Aluminium have the following properties and/or guarantees, with explicit exception of items detailed under the headings "validity" and "exclusions".

### ALUMINIUM

Standards extruded aluminium:

- Composition to standard EN 573 parts 3 and 4;
- Mechanical properties to standard EN 755 part 2;
- Tolerances to standard DIN 17 615 and EN 12020 part 2;

Standards rolled aluminium:

- Composition painted aluminium EN AW 1050 A H24 to standard EN 573 part 3;
- Composition anodised aluminium EN AW 5005 H14 AQ to standard EN 573 part 3;
- Mechanical properties to standard EN 485 part 2;
- Tolerances to standard EN 485 part 4.

### PAINTING AND ANODISING

A 10 year guarantee on:

- Detachment, flaking and blistering of the treated aluminium parts;
- Corrosion, including filiform corrosion for material AlMgSi0.5F22 (AW 6060 and AW 6063) with additional requirements Zn  $\leq$  0.15%; Cu  $\leq$  0.02%; Pb  $\leq$  0.022%; Si: 0.30 -0.55%; Fe: 0.10-0.30%; Mg: 0.35%-0.60%; Mn  $\leq$  0.10%; Cr  $\leq$  0.05%; Ti  $\leq$  0.10%; other elements individually  $\leq$  0.05% together  $\leq$  0.15%; after treatment T66;
- UV resistance, discolouring and loss of gloss exceeding the defined tolerances, according to Qualicoat and Qualanod regulations (latest editions). Class 3 powders are not covered by Qualicoat regulations.
- The paintwork warranty can be extended under specific conditions. These conditions can be obtained from Reynaers.

### INSULATION

A 10 year guarantee on:

- Adherence between the insulation and the aluminium;
- Preservation of the thermal and mechanical properties of the insulator, within the boundaries defined by the technical specifications.

### ACCESSORIES

Accessories, gaskets and synthetic profiles:

- A 10 year guarantee on properties, performance and design, within restrictions defined by technical specifications;
- Painting and anodising: see above;
- A 5 year guarantee on wearing parts only applies to normal and realistically foreseeable use.
- A 2 year guarantee on electrical and wood components.





## CONDITIONS

### DECLARATION

Any defect for which a guarantee claim is being made must be notified to Reynaers Aluminium by the fabricator in writing within one week of being identified, under penalty of dissolution of the right to appeal to the guarantee. Any form of compensation is excluded in case of a belated declaration. To be admissible, the guarantee claim must be accompanied by a copy of the Reynaers Aluminium invoice and a copy of the order form, with information regarding the building site added.

### EXTENT OF THE GUARANTEE

The following items are covered by the guarantee (as indicated on the order):

- Repairs on-site;
- Re-delivery of the faulty product;
- Fabrication costs;
- Removal and refitting costs.

The total liability is restricted to three times the value invoiced by Reynaers Aluminium for the faulty material. Furthermore, in all cases of damage the most economical solution for all parties is pursued. The excess per claim amounts to 1.000,- EURO. Compensation under this guarantee is in all cases limited to 500.000,- EURO per project.

### VALIDITY

The guarantee is exclusively valid if the following conditions are fulfilled. If one of these conditions is not fulfilled, all rights of guarantee dissolve. The onus of proof that the following conditions were fulfilled falls on the party which appeals to the guarantee.

- The aluminium construction was fabricated using appropriate skills and to an industry-accepted level of craftsmanship and according to the Reynaers Aluminium catalogues and the Reynaers Aluminium processing and maintenance regulations;
- The protection regulations were observed, paying special attention to the following points:
  - After cutting and preparation, the non-protected parts must be deburred, degreased and protected with the products prescribed by Reynaers Aluminium;
  - The aluminium constructions must be systematically protected during transport and fitting and this by means of the protection tape prescribed by Reynaers Aluminium. This tape must be applied on a clean surface and must be removed after a maximum of 6 months.

## CONDITIONS

- The aluminium constructions were regularly and competently maintained, using non-aggressive cleansing agents in accordance with the Reynaers Aluminium processing and maintenance regulations, and particularly according to the following cleaning instructions:
  - method: the aluminium should be cleaned with tepid water with a non-aggressive, pH-neutral (6-8), non-acetose detergent, not containing ammonia. After the cleaning, when desired, a product can be applied to preserve the colour and gloss. (For an overview of the usable products, see page 6-7)
  - frequency: in non-corrosive atmospheres and provided that the aluminium constructions are exposed to rain: twice a year. In all other cases: 4 times a year.

The Reynaers Aluminium maintenance regulations form part of this contract.

- In case of aggressive and corrosive atmospheres, a prior agreement was reached with Reynaers Aluminium regarding the surface treatment process;  
Pre-anodisation must be used in the following conditions:
  - <1km from coast line (or salty environments)
  - up to 1km from the source of pollution of industrial sites or airports
  - next to a swimming pool (or chlorine environments)
  - for sites at the coast line, accessories with a higher corrosion resistance class must be requested.
- Corrosive atmospheres or other risk factors (e.g. limited rain) require more frequent cleaning to be observed by the end customer. Examples of corrosive atmospheres are treated constructions fitted
  - near the coast (<10 km) or close to estuaria of large rivers (<5km);
  - above water (condense);
  - within industrial area, in particular areas with heavy emission of chemicals, fluorides, gases and ore materials;
  - within important urban area (exhaust of combustion gases);
  - exposure to large traffic (motorways, railways, airports) due to the release of iron and copper particles from the rails;
  - very aggressive atmospheres (e.g. swimming pools, water treatment industry, laboratories, pollution by animals etc.).
- In case of structural glazing on powder coating Reynaers Aluminium needs to be contacted for warranty/responsibility and follow up.

## EXCLUSIONS

The guarantee is not valid in the following cases:

- Forster products are not included, therefore we refer to the Forster Guarantee.
- Damage caused deliberately or because of serious human error;
- Damage caused by circumstances beyond one's control, such as:
  - civil war, acts of terrorism or sabotage;
  - uprising, revolts, riots, strikes, lock-outs, claims;
  - volcanic eruptions, earthquakes, floods, tidal waves and all other natural disasters;
  - direct or indirect consequences of explosions, development of heat over 80°C, radioactivity, ionic radiation, poisonous, explosive or dangerous nuclear fuel or waste.



- All damage to the surface treatment:
  - due to non-observance of the processing and maintenance regulations, wear or normal ageing;
  - due to deformations of mechanical origin;
  - which does not influence the normal aesthetic aspect of the aluminium constructions;
  - due to cleaning with liquids or by contact with liquids or materials which the surface treatment cannot chemically resist.
- Damage caused after processing of the profiles; being a.o. damages caused during transport to and at the site during the construction phase.
- Bending of profiles after surface treatment (painting, anodising);
- All claims for compensation of damage resulting from the initial damage, such as loss of enjoyment, unemployment, immobilisation, depreciation, loss of customers, etc.;
- Damage due to the improper use of the aluminium constructions or use of aluminum constructions for a purpose for which they were not intended;
- Irresponsible delay in the execution of repairs or possible preventive touching-up which was decided on as a result of inspections, controls or tests;
- Damage as a result of a continuous or abnormal immersion in watery solutions, except in case of explicit prior acceptance by Reynaers Aluminium expressed in writing;
- Direct or indirect damage as a result of the development of cracks, bursts or corrosion in the aluminium constructions which were deformed or bent after the application of paint or anodising;
- Damage due to contact with materials, such as certain metals (copper, lead,...) which can cause a galvanic couple, timbers (oak, walnut,...) which can secrete an acid which can corrode the metal, and lime or cement which are very alkaline and which can permanently damage the surface;
- When the contractor does not fulfil his payment obligations or did not fulfil them punctually;
- When third parties, without explicit prior acceptance by Reynaers Aluminium expressed in writing, have carried out work on the aluminium constructions;
- When special regulations regarding the painting processes/anodisation processes and maintenance to be applied where the aluminium products are located in special atmospheres (near the coast, industry, aggressive atmospheres, swimming pools, etc.) were not observed;
- Defects, including colour differences, which could be noticed BEFORE mounting should be reported before mounting and can consequently not give cause for replacement of the elements;
- Metallic colours and structure metallic colours: for these a guarantee is only given with regard to adherence, not concerning properties and/or visual aspects;
- Materials put at the disposal by the customer: no guarantee is given with regard to corrosion or filiform corrosion;
- The system guarantee is no longer valid when using non-Reynaers components. XA numbers are not included in the Reynaers range.
- The system guarantee is not valid in the United States and Canada.





- Glass breakage caused by thermal stresses.

## INSURANCE

Reynaers Aluminium has acquired an insurance policy to support this guarantee to the value of 500.000,- EURO per project. Specific cover or cover exceeding this amount can be arranged by mutual agreement.

## PERIOD OF VALIDITY OF THE GUARANTEE

This guarantee applies to deliveries from the 1st January 2021 onwards until the 31st December 2021. The guarantee period comes into effect on the date of the Reynaers Aluminium invoice, and shall not be renewed or extended by repairs.

# MAINTENANCE REGULATIONS

Reynaers Aluminium offers care products for both the finishing and maintenance of aluminium products. These products can be used during the production and/or assembly or for maintenance after installation. Reynaers Aluminium offers care products for both constructors and end-users. For a complete overview of the maintenance instructions, you can consult the operations, care and maintenance manual.

FOR PROFESSIONALS		coated surface incl. Coatex colours	anodised surface
<b>REYNAPROTECTOR</b> (086.9208)	To seal profile edges and prevent corrosion	X	X
<b>REYNASEAL DUO</b> (084.9081)	<ul style="list-style-type: none"> <li>Two component glue to glue aluminium profile corners</li> <li>After application powder coating is possible</li> <li>Processable at 7° C</li> <li>Compatible with other products such as Reynaprotector</li> </ul>	X	X
<b>REYNAERS SAFETY CLEAN</b> (086.9231)	<ul style="list-style-type: none"> <li>Cleaner/degreaser that removes 'fresh' adhesives from corner angles and protection foil residue, wax pencil and rubber trace marks, pur foam, sealants, tar,...</li> <li>Multifunctional: also suitable for Coatex* colours and other surfaces</li> <li>Non-dissolving</li> </ul> <p><i>* Except residue from concrete and plaster</i></p>	X	X
<b>TO MAKE THE GLUING OF FOAMS ETC. POSSIBLE, REYNAERS PROPOSES THE FOLLOWING PRODUCTS:</b>			
<b>STEP 1: REYNAERS MULTI FOAM</b> (086.9230)	<ul style="list-style-type: none"> <li>Universal foam spray that cleans and degreases</li> </ul>	X	X
<b>STEP 2: REYNAERS SAFETY CLEAN</b> (086.9231)	<ul style="list-style-type: none"> <li>Degreases and removes all kinds of dirt such as particles of adhesives, sealants, silicones, tar, oil, grease, wax, etc.</li> <li>Leaves no oily film</li> </ul>	X	X
<b>STEP 3: REYNAERS PRIMER SEAL &amp; BOND SPECIAL</b> (086.9232)	<ul style="list-style-type: none"> <li>Quick transparent bonding primer for difficult materials</li> <li>For adhesives, tapes and lacquers</li> </ul>	X	X

FOR END-USERS		coated surface incl. Coatex colours	anodised surface
<b>REYNAWASH ANO</b> (086.9213)	<ul style="list-style-type: none"> <li>• Cream cleaner for periodical application</li> <li>• For all anodized aluminium surfaces</li> <li>• Adds new gloss to older profiles</li> <li>• Solvent free</li> </ul>		x
<b>CLEAN AND CARE WAX</b> (086.9234)	<ul style="list-style-type: none"> <li>• The ultimate product to clean and maintain profiles and glass</li> </ul>	x	
<b>LUBRICANT</b> (086.9233)	<ul style="list-style-type: none"> <li>• Lubricates systems and parts</li> </ul>	x	x
<b>RENEWER</b> (086.9235)	<ul style="list-style-type: none"> <li>• Renews the surface of aluminium profiles</li> <li>• Brings back the original intensity of the surface treatment</li> <li>• Protects against UV-wear</li> <li>• Nourishes the powder coated and anodized surfaces of profiles</li> </ul>	x	x
<b>SPONGE &amp; WIPE</b> (086.9236)	Sponge <ul style="list-style-type: none"> <li>• Removes persistent stains from powder coated and anodized profiles</li> <li>• Can be re-used many times</li> </ul> Wipe <ul style="list-style-type: none"> <li>• Has excellent cleaning and absorption properties</li> </ul>	x	x
<b>REYNAERS MULTI FOAM</b> (086.9230)	<ul style="list-style-type: none"> <li>• Universal foam spray that cleans and degreases</li> </ul>	x	x
<b>REYNAERS DEEPCLEAN</b> (086.9238)	<ul style="list-style-type: none"> <li>• Intensive and thorough cleaning of stubborn dirt</li> </ul>	x	x

*General remarks regarding the use of these products:  
Carefully read the product prescriptions applied on the products.*

## TOUCHING UP THE PAINT

When the paint coat has partly disappeared because of damage, this can be touched up by using the touch-up pencil which is available in all colours.

## PROTECTION

### ■ Reynatape

To avoid mechanical and/or other damage (e.g. cement, lime or paint) to the aluminium one should use the white PVC 'Reynatape'. This protective tape, available in different widths, protects your aluminium constructions whilst other works are being carried out. The tape should not remain on the aluminium for more than 6 months.

#### Remark:

Reynatape doesn't attach on structure coatings. For this application a red protective tape is available.



This guarantee is offered by: .....

to: .....

project: .....

date(s) of invoice: .....

signature: .....



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**Your Reynaers Aluminium fabricator**