

Warranty good behaviour 5 years **termolac®**

Point 1 - Terms and Conditions

1.1. Alucoil® warrants that the termolac® coatings will meet throughout the Warranty Period of 5 years, since the coating date, meeting the following criteria:

- Degree of colour: Initially the colour of significant surfaces shall closely match that of a previously agreed sample when two are compared visually under natural diffuse daylight, or in a colour matching booth conforming EN ISO 3668. With the passing of time any colour change will be gradual and will occur evenly over the surface without adversely affecting the decorative appearance of the coating, assuming a uniform weathering over the surface.

- Degree of gloss: At the time of application the degree of gloss shall be in accordance with EN ISO 2813, using an angle incidence of 60°, at least within ± 10 units of the specified value for coatings with a gloss of > 50 units and within ± 7 units for coatings with a gloss of < 50 units. With the passing of time any gloss reduction will occur evenly over the surface without adversely affecting the decorative appearance of the object, assuming a uniform weathering over the surface.

- Adherence/Corrosion: the coating will not peel or blister, whenever the aluminium substrate is suitable for the final application/location. The aluminium shall be folded following the UNE 485-2 and according the colour chosen.

This applies to any colour of the RAL chart except RAL 2012-3005-3014-3015-3016-3017-3018-3022-3027-3031-4001-4002-4003-4004-4005-4006-4007-4008-4009-4010 and architectural uses.

1.2. Any complaint about a supposedly defective product must be communicated without delay and in good faith to Alucoil® within the warranty period so that an inspection can be made "on site" by our team. The buyer is obliged to inspect the goods on delivery. Any concerns about damages, defects or any other matters relating to delivery notes must be communicated during the period of arrival.

1.3. The customer must guarantee that the coating, have been used for a proper use, in normal atmospheric conditions excluding corrosive or aggressive agents and located far over 1500 m of distance from chemical plants, nor plants producing ash and smoke, nor plants producing aggressive substances or corrosive environments, nor salty environments, intermittent or permanent immersion in the water, or other liquid or solid. The façade must have been maintained appropriately, following the technical and maintenance

recommendations published and distributed by Alucoil®. (See appendix 1)

1.4. Any deterioration in the coating caused by "force majeure", irregular solar exposure or natural disasters (hail, hurricanes, tornados etc....) frees Alucoil® from any responsibility for any damage caused.

1.5. The material must be installed in a period of less than 6 months since the coating date.

1.6. Alucoil® will have access to the coated material inspection installed, in case of complaint.

1.7. The client must keep the necessary documentation to identify the material used and its installation date.

1.8. This Warranty shall only apply for applications located in Europe except the countries: Armenia, Azerbaijan, Cyprus, Georgia, Kazakhstan, Malta, Russia and Turkey.

1.9 This Agreement shall be interpreted in accordance with Spanish laws, without regarding to its conflict rules and excluding the United Nations Convention on the International Sale of Goods.

Point 2 - Liability

The liability of Alucoil®. will be related to on-site repair of the damaged coating surface, limited, as maximum to the total amount invoiced by Coating Section for the reference work, according to the following percentages:

0 – 1 years	95% of the cost
1 – 2 years	80% of the cost
2 – 3 years	60% of the cost
3 – 4 years	40% of the cost
4 – 5 years	20% of the cost

Alucoil® reserves the right to substitute the coating, at her sole discretion and repair the damaged coated surface, by her own or through a third person.

Alucoil® is not required to make any compensation, as defined herein this document.

Point 3 - Exclusions

This Warranty will not apply, if a failure of the coating can be associated to any one or more of the following circumstances:

- Customer does not comply with the guidelines with respect to the maintenance of the coating. Those guidelines are attached to this warranty as Appendix 1;

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- Surfaces have been recoated or retouched without the prior written agreement of Alucoil®

- Prolonged exposure of the coated surfaces to temperatures in excess of 60 °C and less than - 30°C, or to chemical (acids, bases, hydrocarbons, etc.) or other hazardous sources which are known or believed to be damaging to powder coatings.

- Continuous exposure of the coating surface to the direct influence zones of salt water or to other particularly aggressive environments such as in, or in the vicinity of, chemical industry or in other areas with aggressive air – borne pollution, known or believed to be damaging to polyester powder coatings.

- Galvanic coupling by contact between different metal elements.

- Any defect caused by the sawing of, or the drilling, milling or punching holes in the coated surface, cutting edges, which are not then adequately sealed with suitable sealant or mastic.

- Defect caused by the use of adhesive tapes, or with the use of sealants or mastics.

- Any defect caused by jig marks or other fixing points.

- Fading marks due to coated aluminium sheets and/or sections covered with a protective film that haven't been stored in a dry place and/or sheltered from heat and sunlight before their use by the joiner.

- In case less than 5% of the coated area doesn't match the criteria mentioned at point 1.1.

- If the transport, storage, handling and processing is carried out improperly.

- In case of material installation with an angle fewer than 5° inclination.

- In case of improper installation, such as those that do not provide proper drainage of water, not properly protected areas, areas subject to flooding water and other contaminants, including direct or indirect contact with corrosive materials.

- Invoices have not been fully or partially paid by Customer.

- This warranty shall not be extended to or is available to anyone other than the customer.

- The guarantee will not be applicable in case of damage to persons due to contact or exposure to the coating.

- Products that have been used with a different meaning to the described in the technical documentation of Alucoil®.

- Retired material that has been reinstalled.

- 3000 series alloys from scrap.

All communications regarding this guarantee should be sent by registered post to the following address:

Alucoil® Sección Lacado

PG. INDUSTRIAL BAYAS, CALLE IRCIO PARC. R72-R81.
09200 MIRANDA DE EBRO (Burgos) SPAIN.

THIS WARRANTY IS EXCLUSIVE. Alucoil® IS NOT RESPONSIBLE FOR LOSSES OR DAMAGES (INCLUDING ECONOMIC OR PROFIT LOSSES) SUFFERED OR CAUSED BY THE CLIENT AS A RESULT OF ANY VIOLATION OF THIS WARRANTY. THE TERMS OF THIS WARRANTY IS UNDER THE GENERAL TERMS AND CONDITIONS OF DELIVERY OF ALIBERICO GROUP.

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APPENDIX 1 - MAINTENANCE

This document provides guidance to ensure the coating in good condition, following the cleaning guidelines of associations such as Qualicare, AMRAL...

A regular maintenance is essential to prolong the life of the coating.

Regular cleaning within 3-monthly intervals (or to a mutually agreed time scale) is required to prevent the build-up of dirt on the surface. Façades that are not cleaned for several years can generally only be cleaned using abrasive material which may cause damage to the coating. In areas where the coating may come in contact with concentrated atmospheric pollutants (Chemical etc...) it will be necessary to increase the cleaning frequency, e.g. monthly.

Cleaning should begin at the time the coating material is installed, ensuring splashes of concrete, plaster... can be removed before they have a chance to dry. If these materials at this early stage will require the use of more aggressive cleaning can damage the surface of the coating is not removed.

- Abrasive cleaning and polishing agents are potentially damaging to all powder coated surfaces (especially metallic coatings) their use is therefore forbidden.
- Cleaning of a façade is inadvisable under direct sunlight or when surface temperatures exceed 25°C.
- Aggressive cleaning agents, such as acid based, may result in damage such as spots or more widespread marking to the coated surface and their use is therefore forbidden.
- The use of organic solvents for cleaning or preservation work is not permitted.
- Only neutral cleaning agents are permitted (pH between 5 and 8). When cleaning agents with a pH-value below 5 or higher than 8 are used, damage may occur to the coating which in turn may cause the onset of corrosion.
- When cleaning a section of a building, we recommend that the area is prewashed with copious amounts of

water and/or a well soaked sponge with large pores to remove loose debris. This should be followed by the application of a cleaning solution in accordance with the supplier's instructions and with regard to the above recommendations.

- All surfaces should be cleaned using a suitable non-abrasive cleaning cloth or sponge. Never clean with the use of a dry-cleaning agent, as this may cause damage to the surface. Use copious amounts of water and/or solution are thoroughly rinsed away afterwards.

- The cleaning action must be done by a specialized cleaning metal facades enterprise. It is indispensable, save the documentation attesting such cleaning and the frequency with which you made, in addition to conserving invoice of all the cleanings done by cleaning company.

Inspection

Inspection of facilities must be made at least twice a year. Alucoil® recommends that the building owner get a qualified inspector to verify that the cleaning and maintenance procedures achieve the expected result, following these considerations:

- Remove leaves, grass, mold and other possible objects of the façade.
- Clean any residue that may remain in the gutters to prevent clogging and the water overflows the façade.
- Clean dirt retained in areas other than the façade cleaned naturally by rain water (for example, the canopy).
- Check the conditions of sealed areas, closures and cover strip of the building to ensure water tightness.
- Examine point defects (scratches) that can cause rapid deterioration of the paint or corrosion of the substrate.
- As soon as the installation is finished, you should pay special attention to the points of attachment, paint damages, drilled holes, rivets, waste or dirt from the building works.