

WARRANTY CERTIFICATE

ROOF SYSTEMS



QUALITY OF THE MATERIALS. Alusín Solar warrants that the materials used in the fastening systems for photovoltaic solar panels have the following characteristics:

- Aluminium structural profiles: Alloys as per EN AW Standards with sufficient or higher breaking load and elastic limit, in structural profiles.
- Screws: Stainless steel quality A2 (or higher), in all bolted joints of aluminium systems. Stainless steel quality A2 (or higher) in all panel clamps for panel fastening, regardless of the structural system.

WATERTIGHTNESS. Alusín Solar warrants that the proper execution of the assembly work does not generate water infiltration on the roof.

- For a proper execution, Alusín Solar shall furnish all the necessary documentation for the assembly. If any clarification is required, it must be requested from Alusín Solar well in advance of the execution of the work.
- Alusín Solar shall not be held liable for any possible water infiltrations resulting from the installation work, such as those caused by footprints on the roof, cuts on the roof etc

WARRANTY TERMS AND CONDITIONS:

- This document warrants the replacement of the aluminium structural profiles and screws which have any deficiency that endangers the structural resistance of the solar photovoltaic installation for which they have been designed and provided that their assembly has been carried out correctly and following the written instructions and recommendations provided by Alusín Solar.
- Deficiencies caused by negligence, knocks, use, maintenance or improper handling, as well as accidents, cleaning or dropping abrasive, corrosive or mechanical traction products on the profiles or screws which may damage its surface, force majeure, natural disasters or any other cause beyond the control of Alusín Solar are not included.
- Materials which have been altered without the written permission of Alusín Solar are exempt from the warranty.

WARRANTY PERIOD:

- The duration of this guarantee corresponding to the profiles and screws is 25 years from the date of issuance of the invoice to which this document refers. If the installation is located in areas of marine influence (5 kilometers from the coast), this guarantee is not reduced. For other environmental conditions, please consult.
- The specific parts replaced or repaired under this warranty shall not extend the warranty period to the entirety of the materials used in the fastening system, although those materials shall have their own warranty.

DESIGNS. Standards applied:

- All Alusín Solar structural systems are designed and calculated pursuant to the CTE (Technical Building Code) and EC9 (Eurocode 9: Design of aluminium alloy structures projects) requirements, considering as minimum design parameters, winds of 145 km/h and snow overloads of 0.5 kN/m².
- These calculations are underpinned by an external engineering firm, issuing the calculations, and can be delivered upon request of the project. For higher loads, such as 250 km/h winds, a certificate and specific calculations must be requested.

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