

## Safe energy

### Solar energy is becoming one of the major players in the transition to our sustainable energy model.



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The roofs of buildings, industrial warehouses and homes are increasingly coated with photovoltaic solar panels. Do you know what guarantees that the installation will remain strong and safe for decades?

The answer can be found in something that often goes unnoticed: the fixing elements. These components, which connect the panels to the structure or roofs, must withstand extreme weather conditions, vibrations, wind loads and

thermal variations that could even break the photovoltaic panel. Therefore, their design and material make a huge difference to the service life of the installation. Among all the available materials from which it is manufactured, AISI 430 ferritic stainless steel, is positioned as one of the best options.

Stainless steel provides natural corrosion resistance without the need for additional treatment. Thanks to its chromium content, it protects the material even in aggressive environments. This property is especially valuable in outdoor installations, where durability is essential and maintenance must be kept to a minimum. In addition to its strength, stainless steel is easy to transform which translates into versatile fastening systems adaptable to different types of roofs. In a sector where efficiency is fundamental, reducing construction times and guaranteeing structural stability is an added value.

With increasingly ambitious objectives set by the European Union through the European Green Pact - such as 55% reduction in greenhouse gas emissions by 2030 compared to 1990 levels, and climate neutrality by 2050 - choosing stainless steel fixings for solar panels, is a quality decision aligned with a more sustainable future.

To learn more, we share with you our magazine N° 88 [ </sites/cedinox/.content/cedrevista/cedrevista-0000015.xml> ] where you will find the full article.



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