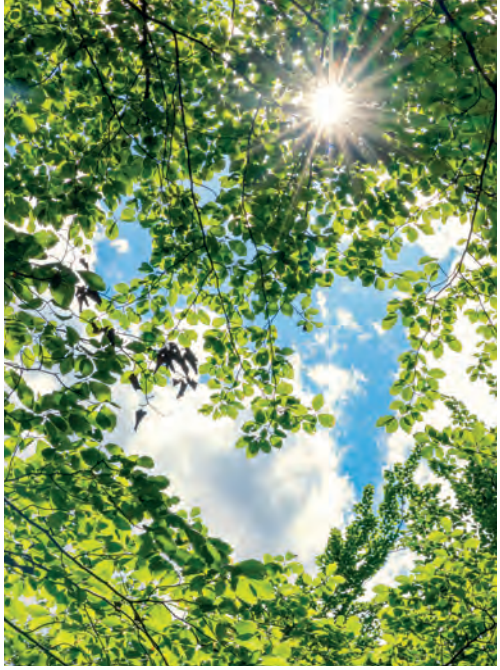
TECHNOFORM

Blue is the new green

Insulations solutions for windows, doors and facades

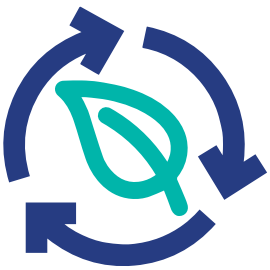
Research and innovation for you and our planet



Sustainability is the challenge of the future, let‘s meet it together

Today sustainability is not just a simple word to keep in mind every day, but it constitutes a real need to look towards the future peacefully and with optimism.

The Technoform group, which has been the benchmark for the design and production of extruded profiles in high-performance plastic materials for over 50 years, has always dedicated special attention to the search for alternative materials and solutions that, today more than ever, are focused on sustainability.



This isn’t an easy challenge: on one hand because the thermal insulation market is strongly conditioned by continuous and stringent regulatory requirements and, on the other hand, due to the need to reconcile living comfort with increasingly complex and futuristic architectural solutions. Being at the same time sustainable for the environment and in line with our customers’ requirements is a challenge that Technoform is tackling with the utmost commitment, conducting research and development activities on innovative materials and cutting-edge solutions.

Recycled Polyamide, polyamide becomes sustainable by reducing CO_2 emissions.

This extensive research effort has resulted in Recycled Polyamide profiles that, by replacing 100% virgin PA6.6 with the recycled alternative one, led to a 75% reduction in their environmental impact, as certified by IFT Rosenheim and by the kg of CO_2 eq. values indicated in the EPDs of the product.
An ordinary evolution of the base material is LowLambda Recycled Polyamide, a material that perfectly combines the best requirements of energy efficiency (thermal conductivity 0.21 W/mK) with those of environmental impact (low density) reducing by a further 20% the impact on the individual window.

100%

Recycled PA 6.6

-75%

Environmental impact

=

Technical characteristics

To ensure the high quality of the finished product we always use a virgin glass fiber, in order to guarantee that the thermal and mechanical characteristics remain unchanged. Thermal break profiles made of Recycled Polyamide are in fact approved by institutes and trademark brands such as IFT Rosenheim, CSTB and ATg and therefore, can be used as a green alternative to current solutions without the need for additional testing and certification.

Recycled polyamide (PA 6.6) granules are produced by recycling production waste from the automotive and textile industries (so-called PIR) and reconverting it into polymers with such high technical and mechanical performance characteristics so that they can replace virgin raw materials. The increased availability on the market has allowed us to increase the quality and utilization rate up to 100%.

To ensure a maximum transparency in the sustainable use of materials, the Italian production chain is guaranteed by TÜV Italia and is certified according to ISO 14021 (Type II environmental labelling) through a strict production control plan, which is audited annually.

LowLambda Recycled Polyamide combines perfectly energy efficiency requirements and mechanical resistance.

Customer satisfaction is our single main objective to become an increasingly effective partner, able to offer not only high-performance solutions but also absolutely sustainable ones.

Because **blue is the new green!**

Contact us and find all the details on:

Certification

ISO 14021: The Italian production chain is guaranteed by TÜV Italia and certified according to ISO 14021.

CradleToCradle: The materials used respect health and the environment at Gold level according to the Cradle To Cradle certification for Material Health.

EPD: The environmental impact is certified by IFT Rosenheim with the values indicated in the EPDs of the product.

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www.technoform.com

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