Ercros

Ercros launches the new family of PVC resins Etinox® Renew with a lower carbon footprint

The ISCC PLUS certification for this new family of resins, manufactured at Ercros' industrial complex in Tarragona, guarantees the traceability of circular raw materials

Etinox® Renew

Lower Carbon Footprint PVC Resin

Ercros has launched the Etinox® Renew family of PVC resins, an initiative that strengthens its portfolio of products and responds to the growing demand for materials with a lower environmental impact.

The ISCC PLUS certification obtained by the Vila-seca II (one of the three production centres of Ercros' Tarragona industrial complex) production facility marks a significant milestone in this strategy. This certification validates a mass balance model based on the allocation of non-fossil raw materials and the use of electricity from renewable sources, enabling a reduction in the greenhouse gas (GHG) emissions associated with PVC manufacturing based on our LCA (Life Cycle Assessment) assessment.

Thanks to this development, Ercros offers its customers solutions with verified and traceable sustainability attributes that directly contribute to the decarbonization of their value chains without compromising the technical performance of conventional PVC.

The Etinox® Renew family is structured around two differentiated product ranges. The Etinox® Energy Renew range uses electricity from renewable sources in its production process, enabling up to a 35% reduction in the contribution of raw materials in carbon footprint compared with the industry average data (ECVM Eco-profile for suspension resins. January 2026 revision).

Meanwhile, Etinox® Circular Renew also incorporates circular ethylene linked to raw materials such as reused cooking oils and end-of-life car tyres, making it possible to achieve approximate reductions of 70% in the contribution of raw materials to the PVC resin footprint calculation compared with conventional alternatives.

Both product ranges fully preserve the key properties of PVC: durability, abrasion resistance, good mechanical properties and versatility, making them ideal for applications in construction, packaging and medical materials.

In addition, the recyclable nature of PVC reinforces its contribution to the circular economy and its alignment with regulatory and market requirements.

With the ISCC PLUS certification and the Etinox® Renew family, Ercros strengthens its position as a supplier of competitive alternatives capable of delivering value to its customers amid the energy transition and the drive to reduce emissions.

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