

# Pro-Environment Solutions

Maximizing sustainability  
Minimizing carbon footprint

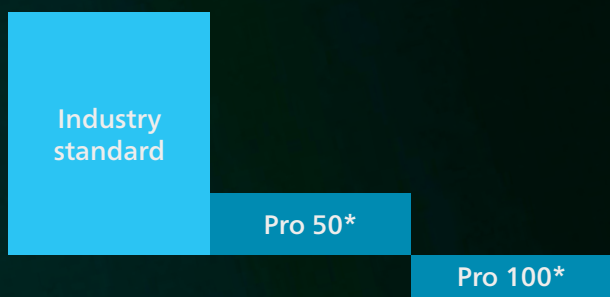


# Enabling sustainable solutions everywhere

The chemical industry is present everywhere. In fact, 96 percent of all manufactured goods rely on chemical products. Because of this broad reach across many sectors, the industry has a significant potential to contribute to the sustainability efforts of other companies and value chains. By leveraging our position in the value chain, Perstorp aims to enable the transition towards more sustainable practices, benefiting the environment, companies and people involved.

Perstorp can help you fulfill your greenhouse gas emission reduction targets by offering a wide range of ISCC PLUS certified products with a reduced product carbon footprint. We call them Pro-Environment Solutions.

Pro-Environment Solutions are designed to reduce the carbon footprint throughout the value chain and support sustainable sourcing of renewable and recycled raw materials. Because they are drop-in replacements, they offer an opportunity to reduce Scope 3 emissions without any costly and time-consuming reformulation efforts.



Example of reduction in Product Carbon Footprint (PCF) values with different grades of Pro-Environment products.

\*Pro 50/100 products correspond to 50%/100% renewable and/or recycled carbon content based on a traceable mass balance concept.

## How?

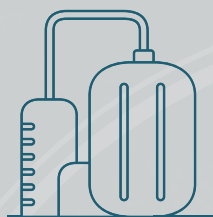
Our guiding star is to become Finite Material Neutral and a part of that ambition means shifting away from virgin fossil raw materials at our production plants globally.

To achieve this, we believe that **Traceable Mass Balance** is an essential and credible methodology to enable the large-scale phasing-out of fossil raw materials with the goal of a fully converted chemical industry.



# Readily available solutions

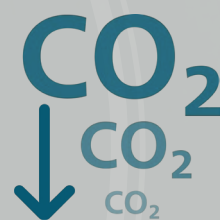
Our expanding portfolio of Pro-Environment Solutions consists of ISCC PLUS certified products which reduce CO<sub>2</sub>-emissions and are produced from recycled and/or renewable raw material based on a traceable mass balance concept. The portfolio is continuously growing and today consists of polyols, acids, plasticizers, and more.



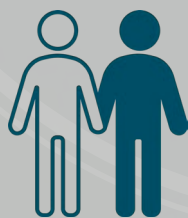
Sustainable origins

Pro-Environment products are based, fully or partially, on raw materials whose origins are ISCC PLUS certified renewable/recycled instead of virgin fossil.

Pro-Environment products are designed to reduce emissions throughout the value chain and will contribute to lowering your Product Carbon Footprint and Corporate Carbon Footprint.



Low carbon footprint



Drop-in replacement

Pro-Environment products are chemically identical to their fossil counterparts, offering the same performance without any trade-offs in quality and no reformulation efforts are required.



# What Pro-Environment Solutions can do for you

## Reduce your corporate carbon footprint (CCF)

Many companies will experience that Scope 3 emissions (i.e., indirect emissions associated with your supply chain, value chain and end users) represent >90% of the total carbon footprint. Replacing the supply of fossil raw materials to Perstorp's Pro-Environment products will contribute to reduced Scope 3 emissions, positively impacting the corporate carbon footprint. By reducing the corporate carbon footprint, businesses can ensure compliance with future regulations and meet customers' increasingly high demands on collaborating with responsible suppliers.



## Reduce your product carbon footprint (PCF)

Climate change is one of the biggest environmental challenges we face today. By reducing the carbon footprint of a product, we can help mitigate the impact of climate change and reduce our carbon emissions. Developing low PCF products will differentiate your product offering to the market. Documentation on PCF values is shared with our customers and certified by ISCC PLUS.



## Shift to renewable/recycled raw materials

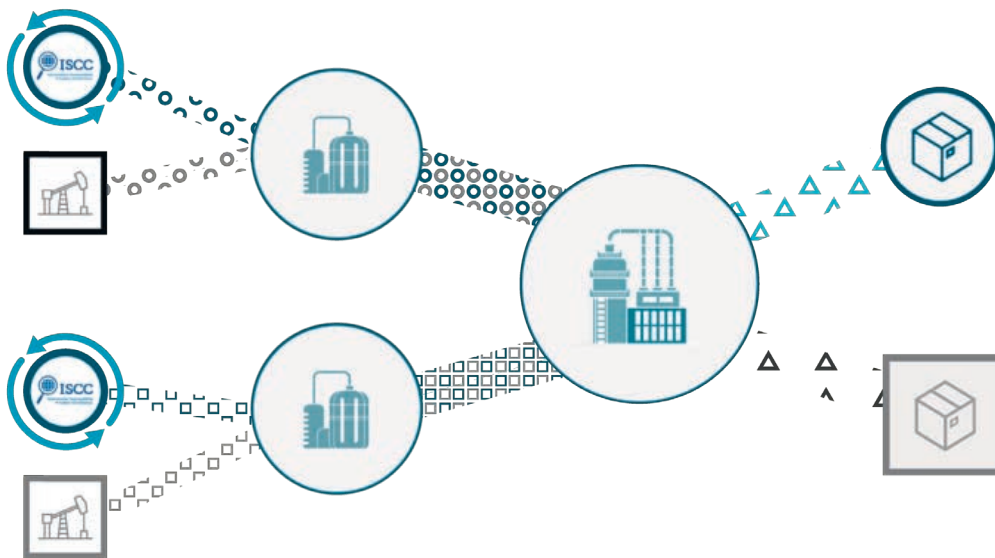
The extraction and use of virgin fossil raw materials are major contributors to greenhouse gas emissions and climate change. By shifting away from these raw materials, we can reduce the carbon footprint, mitigate the impact of climate change, and drive the large-scale phasing out of fossil raw materials with the goal of a fully converted chemical industry. Developing products which do not rely on virgin fossil feedstocks enables our customers to differentiate products versus competition and contribute in a meaningful way to the transition towards a circular economy.



# Traceable mass balance

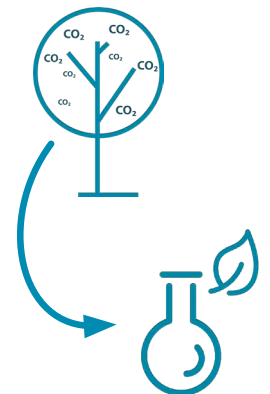
We believe that mass balance methodologies should be credible and truly drive the sustainable transition needed. To achieve this, we have collaborated with other companies and stakeholders to develop Traceable Mass Balance, which drives the real shift and applies transparency and traceability.

Traceable Mass Balance uses chemical and physical traceability to verify that there is a direct pathway between the recycled or renewable feedstock and the final products which gives a theoretical possibility of finding the sustainable molecule in the product. By using this approach, we ensure transparent and traceable processes to enable a gradual shift, verified by third party certification ISCC PLUS.



## Biogenic uptake: products as a carbon sink

Biogenic raw material sources are often used for the production of Pro-Environment products. Therefore, the PCF is also dependent on **biogenic uptake**, or the uptake of CO<sub>2</sub> from the atmosphere during the photosynthesis process in a plant's growing phase. Because of this, some Pro-Environment products bear a **negative product carbon footprint**, meaning there is a net removal of CO<sub>2</sub> from cradle to Perstorp gate when including the biogenic CO<sub>2</sub> uptake.







# Find out more

Scan the code to access the full portfolio of Pro-Environment products and learn what they can do for your business.



# One molecule can change everything

Perstorp believes in improving everyday life – making it safer, more convenient and more environmentally sound for billions of people all over the world. As a world leading specialty chemicals company, our innovations provide essential properties for products used every day and everywhere. You'll find us all the way from your car and mobile phone to towering wind turbines and the local dairy farm.

Simply put, we work to make good products even better, enabling sustainable solutions everywhere. We do this with a clear commitment to the Paris agreement and the ambition of becoming Finite Material Neutral. Perstorp is pioneering in Pro-Environment solutions with a comprehensive portfolio of ISCC PLUS certified products with a low carbon footprint that are fully or partly renewable, based on a traceable mass balance concept.

Founded in Sweden in 1881, Perstorp's focused innovation builds on more than 140 years of experience, representing a complete chain of solutions in organic chemistry, process technology and application development. Perstorp maintains a top 1 position in the majority of its product portfolio and operates manufacturing units in Asia, Europe and North America. Perstorp is a wholly-owned subsidiary of PETRONAS Chemicals Group Berhad (PCG), Malaysia's leading integrated chemicals provider and part of PETRONAS Group. Together, we share a passion for progress and will unlock new opportunities for sustainable transformation. [perstorp.com](https://www.perstorp.com)