



Sustainability Is Our Responsibility





Sustainability

Is Our Responsibility

As your trusted partner, we design, manufacture and supply bespoke protective packaging solutions tailored to your most sensitive products. From our headquarters in Bad Oeynhausen, Germany, we bring product development, manufacturing and logistics together under one roof. Using state-of-the-art production technology, streamlined processes and a highly skilled team, we deliver customised packaging solutions quickly and efficiently, designed to meet your exact product requirements. In doing so, we make a meaningful contribution to environmental protection, responsible resource management and long-term sustainability.

Sustainability and environmental responsibility are at the heart of everything we do. Achieving certification to **DIN EN ISO 14001** is a natural reflection of this commitment. Through our sustainable products and forward-thinking manufacturing processes, we play our part in creating a more sustainable future.

Environmental responsibility is an integral part of Emba-Protec's corporate strategy and is embedded throughout the organisation. Our environmental management system is designed to continuously review and improve all activities that have an impact on both our operational performance and the wider environment.

Emba-Protec's environmental management system is fully aligned with the requirements of **DIN EN ISO 14001**. As a result, every aspect of our business is conducted in accordance with relevant environmental legislation, regulations and recognised best practice.



Emba-Protec

At A Glance



More than carbon neutral. – Over 50% of the renewable electricity we generate is fed back into the national grid.

We are power generators

By the end of 2025, our 750 kWp photovoltaic system was generating approximately 700,000 kWh of electricity each year.

From 2026, we will significantly increase our renewable energy generation. With an expanded capacity of 1,096 kWp, our solar installation will produce around 1.1 million kWh of electricity annually.

80% of the vehicles at our site are powered by electric or hybrid technology.

We recover 60% of our heating requirements by capturing waste heat

We save energy

High-performance building insulation
Intelligent LED lighting systems
State-of-the-art ventilation technology

We recycle

95% of our operational waste is recycled.

Energy balance 2025	
Power generation (PV)	703.606 kWh
Direct consumption	234.535 kWh
Total consumption	412.300 kWh
Grid feed-in	469.071 kWh
Mains supply	177.765 kWh
Positive balance sheet	291.306 kWh

Sustainability



Packaging

Using Packaging Responsibly

Emba-Protec: The Sustainability of Our Products

Using Emba-Quick® as an Example:



Product data

External dimensions 210 x 170 x 120 mm

Quality E 1.40

Scope of delivery = Fixing packaging with attached outer carton
1 piece

Article-Code Version

FL 181206 Q NORMLine 50, PU film 50 my

FL 181206 ESQ ESDLine 50, PU film ESD 50 my

FL 181206 ECQ ECOLine 50, PE film 50 my

Maximum product size: **180 x 120 x 60 mm**

Applications: small devices, instruments, displays
Max. product weight: up to 2000 gr.

	Corrugated Board / paper weight	Film weight	Corrugated board ¹⁾ Paper Carbon Footprint	Film Carbon Footprint	Total Carbon Footprint
Emba-Quick	156 g	5 g	76,6 g	13,7 g	90,3 g
Outer carton with crumpled paper	198 g	/	109 g	/	109 g
Outer carton with bubble wrap	98 g	35 g	48,1 g	96 g	144,1 g

Space Required 1



Space Required 2



Emba-Quick®

Space Required 3



- 1) Carbon footprint corrugated board
- 2) Carbon footprint crumpled paper
- 3) Carbon footprint pe film

CO₂ equivalents per ton of corrugated cardboard packaging

491 kg

CO₂ equivalents per ton of corrugated cardboard packaging

609 kg

CO₂ equivalents per ton of corrugated cardboard packaging

2.744 kg

Disposal and recycling

Packaging



In the example shown, the film accounts for approximately 3% of the total packaging weight, making it a single-material packaging solution. What does this mean for you? There is no need to separate the film from the packaging. Simply dispose of the complete package with your paper and cardboard recycling. This ensures the packaging can be fully recycled through the standard paper recycling process.

Why?

During the paper recycling process, the packaging is broken down into a pulp. The paper fibres are separated from the film in a pilper, where the film is removed and sent for recycling or appropriate disposal. This process ensures that no film material is released into the environment, allowing both materials to be managed responsibly within the recycling system.



Emba-Protex Packaging. Efficient, sustainable protection from every angle.

We manufacture sustainable packaging in a sustainable business. Through the annual production of Emba-Quick® packaging alone, we save more than 100,000 kg of CO₂ each year compared with alternative packaging solutions. Across our full range of Emba-Protex suspension and retention packaging, our manufacturing and sales activities reduced CO₂ emissions by approximately 400,000 kg in 2025.

CARBON FOOT PRINT

Based on our test scenario, using the Emba products shown above reduces the carbon footprint of packaging by more than 35% per tonne compared with using a corrugated carton with bubble wrap for product protection

We respect the environment and the people we work with.

At Emba-Protex GmbH & Co. KG, we recognise every employee as an individual and as a vital part of our success.

We are committed to supporting our people through professional development, training and assistance when returning to work following illness or extended absence. We also promote wellbeing by providing fresh fruit and drinks free of charge every day, while our on-site canteen serves freshly prepared, varied and affordable meals.

If you'd like to find out more, get in touch. We'd be happy to visit your site to discuss your requirements and develop the right packaging solution for your business.

Our nationwide sales team combines technical expertise with a practical approach, delivering fast, effective support whenever you need it.



Innovative protective packaging ...

MADE IN GERMANY



Emba-Protec GmbH & Co. KG | Alter Postweg 68 | D - 32549 Bad Oeynhausen
Phone +49 (0) 57 31 - 30 888 - 0 | Fax +49 (0) 57 31 - 30 888 - 30
info@emba-protec.de | www.emba-protec.de