

SUSTAINABILITY REPORT



PERFECT FINISHES®



BOARD OF MANAGEMENT FOREWORD



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Ever since its founding in 1975, CAPOL has been a front runner in the field of confectionery surface finishing. Whether they require glazing or separating agents, natural colorings or flavors, our customers have always placed high demands on us, and rightly so. This is true for both the quality of our products and the cost-effectiveness of our solutions, but also for the way in which we achieve our results.

We want to live up to our corporate responsibilities. As a member company of Freudenberg, a German technology group that is active throughout the world, we are committed to the values and principles of the Freudenberg Group as well as to our own policy of shaping our business processes sustainably and responsibly. We consider the relevant business and social environment in the context of our value stream and strive to accomplish positive changes in order to ensure environmental compatibility.

Our parent company, the Freudenberg Group, has developed effective programs and initiatives in line with our corporate social responsibility and overarching sustainability goals. These

goals and the resulting obligations apply to us without any restrictions.

You will find examples at: www.freudenberg.com/company/responsibility

In 2018, we published our sustainability results in a separate report for the first time. We see our ongoing efforts to make our business activities more sustainable not as a short-term race but as a long-term journey. Along the way we are constantly learning and growing – in our sustainability efforts and in our reporting as well.

Since our last full update of the report in 2021, we have continued to innovate and implement strategies that reduce our own environmental footprint, enhance sustainability for our customers, and strengthen our corporate responsibility. With an update of our reporting figures for the years 2022-2023 in this most recent edition, we want to make the development transparent and outline our achievements in these areas.

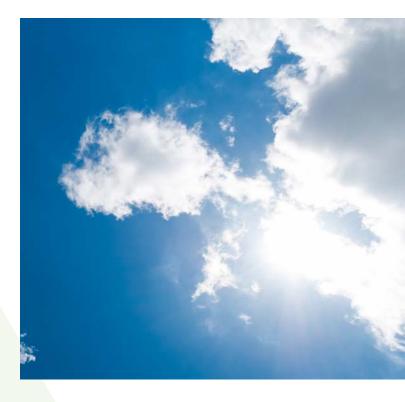
SUSTAINABILITY - A CHALLENGE

Corporate responsibility concerns not only individual aspects of a company's own value stream but also the interests of a variety of stakeholders. This applies to CAPOL, too, but we also have a special focus as a result of our activities in the food industry. Our clear objective is to combine high performance for the benefit of our customers with a long-term growth strategy.

In doing so, we attach considerable importance to the safety of people as well as to manufacturing safe products. It goes without saying that we strive not to operate to the detriment of future generations. We are not only aware of our impact on the consumption of resources but are continually taking steps to minimize or even neutralize such consumption. Furthermore, we are committed to offering our customers solutions that help them achieve their own sustainability targets.

We supply products used for the production of goods which are supplied to consumers, normally private individuals. For consumers, too, sustainability is increasingly a concern. Consumers prefer products which are not just good for them, but also for the planet and society at large. This means that sustainability is not just about the product itself. It is also about how it is manufactured. In addition to the question of the raw materials used, the focus is on the value stream, including aspects such as the reduction of energy or water consumption and production waste. The challenge we face as a supplier to customers in the food industry is to offer individual sustainable solutions at the same time as guaranteeing the highest possible quality levels in terms of the sensory and functional characteristics of our products.





As a company we accept responsibility for the society.

We accept this challenge. We are members of the Roundtable for Sustainable Palm Oil (RSPO) and commit to the Initiative for Responsible Carnauba supported by the German Gesell-schaft für internationale Zusammenarbeit (GIZ), which aims to ensure fair working conditions in carnauba wax production and to maintain biodiversity in the carnauba palm growing region.

We continuously dedicate our efforts to research and development, to always take our products a step further. This is why we are working on alternative solutions for certain raw materials which are still in wide use, for example by using sunflower oil for confectionery finishing or by replacing certain animal products such as shellac, as part of our long-term innovation strategy.

CAPOL - AN OVERVIEW

Capol GmbH was founded in 1975 and has since then grown into a global expert for special applications on the basis of natural ingredients in the food industry.

With over 250 innovative glazing, sealing and separating agents, our company is a leading provider of finishing solutions for the confectionery industry. Brand names such as CAPOL®, CAPOLAN®, CAPOLEX® and FIX GUM® are well known in the industry worldwide, whether for sugar-coated and chocolate dragées or gum products. In addition, we offer our customers comprehensive consulting services – based on over 45 years of experience in the market as well as intensive contact with our customers from all around the world.



Building on extensive application expertise in confectionery surface treatment, CAPOL also offers ready-to-use product solutions, such as edible coatings and separating agents for a wide range of food applications. Under the VIVAPIGMENTS® brand name, CAPOL markets unique natural pigments manufactured in a proprietary, patented production process. Customized natural flavor compositions round off our portfolio.

For us, compliance with quality and safety requirements is an essential part of our policy: our effective Hazard Analysis Critical Control Point (HACCP) system ensures that the safety of foodstuffs is maintained throughout all production and processing stages from the receipt of raw materials through to the dispatch of our products. Our quality and food safety system is regularly audited by DQS CFS GmbH in accordance with the IFS and BRCGS standards.

Capol GmbH is a member of Sedex and regularly undergoes SMETA audits. The audit examines work standards, occupational health and safety, the environment and business ethics.

BRCGS certification

Capol GmbH is certified by the Brand Reputation through Compliance Global Standards for food safety. This certification is recognized by retailers and manufacturers throughout the world. The standard defines a framework for the production of safe foodstuffs at a very high level.

IFS Food certification

Certification by the International Featured Standard for assessing the quality and safety of foodstuffs, which we have held since 2004, also bears witness to our quality awareness. We have a very high level of compliance with the requirements of the standard.

In line with our quality commitment, we also reliably produce products manufactured and certified according to specific food requirements.

Organic

Many of our products are certified organic. We offer solutions compliant with the European regulation on organic production and labeling of organic products and the implementing regulation, as well as some which meet the requirements of the National Organic Program (NOP). As per its certification by Kiwa BCS Öko-Garantie GmbH, Capol GmbH is authorized to process organically farmed raw goods and manufacture products from them according to the EU organic or NOP standard.



Kosher

CAPOL also offers products for confectionery surface treatment which comply with the dietary requirements for kosher foods. Capol GmbH is certified according to the requirements of the Orthodox Union (OU).

We produce and distribute throughout the world more than 250 high-performance standardized and customer-specific products for the finishing of confectionery and other food industry products.

Halal

With halal-certified goods, CAPOL also offers products for use on confectionery that comply with Muslim dietary laws. Capol GmbH is audited annually by an independent, globally recognized certifying body. Our employees receive regular training on conformity with halal requirements.

Partnership is important

Our headquarters are located in Elmshorn, close to Hamburg, Germany. To serve its worldwide customers, CAPOL engages in a mixture of direct sales to certain customers via our own sales team, and close cooperation with specialized agents and distributors. This means CAPOL's quality claims are at stake when our trading partners engage with their customers. By giving our trading partners comprehensive training, we ensure the maintenance of outstanding quality in consultancy services and problem-solving competence on site. We also provide all trading partners and customers with comprehensive documentation of product safety and properties.

Our Material Compliance Management (MCM) system ensures compliance with all standards and statutory requirements in this area. Via these sales channels, we reach processors and industrial customers in more than 100 countries. Since 2013, CAPOL has formed part of Freudenberg Chemical Specialties GmbH, Munich, a Business Group of the Freudenberg Group, Weinheim.



These include:

- Glazing and polishing agents
- Anti-sticking and release agents
- Sealing agents
- Pre-coating agents
- Coated acids
- Flavors
- Natural color pigments

Thanks to the close cooperation between our in-house development and production teams, CAPOL can rapidly implement new technologies in market-ready products. We have repeatedly demonstrated this competence in developing new high-performance products for almost all applications in our industry.

Our quality is a result of close inhouse cooperation between manufacturing and research.

Social engagement:

BOTH LARGE AND SMALL

Social engagement is part of Freudenberg's corporate identity. The Freudenberg Group wants to be recognized as a good neighbor at all its sites, and therefore supports a wide range of social projects – from complex international programs to small local initiatives. It is not unusual for this kind of involvement to be initiated by employees, who then become personally involved in the respective projects.

"We're thrilled that our team was able to make a difference and make life in that community a little better through this planting project."

Guillaume Fournier, HSE Manager at CAPOL Inc. Montreal

In June 2021, the CAPOL Inc. team in Montreal, Canada, invested a great deal of work in creating a green space full of crop plants in the local neighborhood of the company's site. With the support of the local non-profit organization "Arbre Évolution," the team planted more than 500 trees as well as shrubs, and plants. The majority of these were useful plants that will provide the residents in the area with an abundant harvest in the coming months and years. Fruit trees and blueberry bushes now adorn the once unused area, which is immediately adjacent to a housing complex for the elderly.









SUSTAINABILITY AT CAPOL

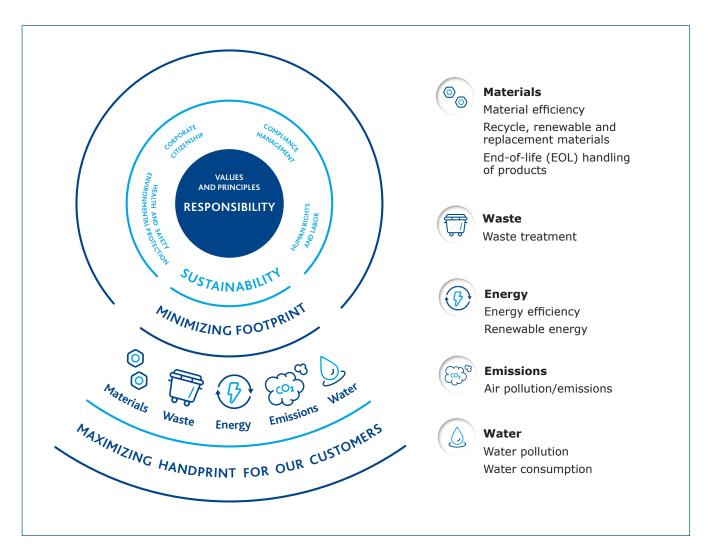
Long-term thinking and action are integral parts of our corporate strategy and social responsibility. Our sustainability concept is based on the sustainability strategy of our parent company, the Freudenberg Group. It defines sustainability as part of corporate culture, with its values and principles.

Our strategy comprises two primary objectives. First, we aim to minimize the direct impact of our business activities on society and the environment through efficient use of energy and materials. This is what we call our "footprint".

Second, we support our customers in reaching their own sustainability goals through delivering sustainable products and services. We help them to produce more efficiently and to reduce their negative impacts on the environment. This is what we call our "handprint".

By shrinking our own footprint and growing our handprint with our customers, Freudenberg contributes to increasing sustainability all around the globe.





Sustainability Drives Climate Action

Freudenberg intends to be a climate-neutral company by 2045. The seriousness that the company has displayed relates to its basic values and a traditional sense of responsibility. And it is evidence of the economic opportunities that a consistent course toward sustainability offers. This primarily involves a reduction in energy consumption at each facility while simultaneously manufacturing sustainably.

Freudenberg has set a course for climateneutral manufacturing. The first milestone is to reduce relative ${\rm CO_2}$ emissions, measured per million euros of revenue, by 25 percent, over the period from 2020 to 2025.

The company is laying the foundation for its ambitious goal to be climate-neutral by 2045 with a wide-ranging project called "Sustainability drives Climate Action."

Since 2019, the opportunities and challenges that man-made climate change poses for Freudenberg have been analyzed. The company

has turned to a multistep strategy: reductions in energy use, electrification, as well as the purchasing and self-generation of green electricity, and offsets for CO₂ emissions.

They are in part being implemented simultaneously. As part of the Freudenberg Group, CAPOL is striving to play its part in meeting these ambitious climate targets.

By reducing the size of the own footprint and the enlargement of the handprint at the customer Freudenberg contributes to greater sustainability worldwide.



FOOTPRINT: LESS IS MORE

CAPOL aspires to assess as many valueadding factors as possible, which is not, however, always fully possible. The early stages of raw material extraction are not subject to comprehensive checks – this is true for some natural, i.e., plant or animal-based raw materials or their derivatives as well as other internal processes of our suppliers.

There are many reasons for this situation. Certain raw materials such as gum arabic, a plant resin; carnauba wax, the wax of a palm; and shellac, an animal product, are not cultivated but are gathered in the wild. Where reliable data is available, we use this data to determine the CAPOL footprint. This includes raw material use, water consumption, energy use, waste volumes, emissions, etc. – all closely connected to our value stream.

We have implemented a number of programs in this vein, some of which called for considerable investment. The objectives include:

- Reduced energy consumption in production and therefore reduced CO₂ emissions
- Reduced emissions through closed-loop production processes
- Recovery of certain consumables such as solvents
- Reduction of waste in production including packaging and production waste
- Effective insulation of buildings
- Local procurement, where possible, in order to reduce transport distances
- Improved processes for the cleaning of production plant with a view to saving energy and reducing water consumption
- Pre-treatment of wastewater by separation systems
- Strict separation of production waste and cooperation with certified disposal companies

		FOOTPR	INT		HANDPRINT		
		Procurement	Production	Transport	Application	Service life	
Main areas	⊚ Materials	Raw material and supplier selection	Optimize material usage		Conformity with all valid requirements	Greater durability for products	
	Waste		Reduce waste, recycling	Local disposal	Improve raw material use, reduce cleaning work		
	Energy		Review and reduce energy consumption		Efficiency gains in production, low-energy processes		
	Emissions		Reduce solvent use		Higher share of products in accordance with quality standards		
	Water	Municipal water supply	Reduce water consumption and waste water volumes			Biodegradable raw materials, not water-polluting	

We have defined five areas that serve as indicators of sustainability: materials, waste volume, energy use, emissions and water consumption. Within these five areas we have identified four specific areas that offer the greatest potential for optimization: material efficiency, energy efficiency, emissions and waste. We record developments in these areas in order to measure the relevant changes and also report them to our parent company, Freudenberg, as part of their group-wide reporting system.

As a company, we make special efforts to improve efficiency in the utilization of resources. We have adopted four approaches in this area:

- 1. Reduce the use of raw materials, e.g. with new product formulations significantly reducing the quantity of an ingredient required.
- 2. Save energy in production by using energyefficient plant and machinery.
- 3. Conserve resources by using renewable raw materials such as natural oils and waxes.
- 4. Avoid certain raw materials of animal origin in order to meet the demand for vegan products.

In all these areas, we have made significant progress over the past few years and have been able to offer a growing number of products that meet these requirements. This not only reduces our footprint but also brings benefits in terms of our "handprint" - the achievement of sustainability goals by our customers.

Ethical procurement management at CAPOL

We are not prepared to tolerate any part of our value stream being based on practices that are not compliant with international environmental protection and occupational health and safety standards.

For many years, we have used our own ethical procurement management program under which we also impose on all our suppliers an obligation to observe every relevant requirement. In connection with this program, we expect our suppliers to provide undertakings to comply with requirements of the UN Global Compact (see www.globalcompact.de/en) or specific undertakings in the areas of health and safety at work, the prevention of child and forced labor, environmental protection, and other areas.

We apply our own code of conduct and an effective supplier-selection system with clear requirements concerning ethical and regulatory conformity.

CAPOL has already been certified under a Sedex Member Ethical Trade Audit (SMETA) since 2015. In 2021 our conformity was confirmed in a further voluntary audit by an internationally recognized certification body.

We consider ethical principles in our daily work.



Sustainable supply chain:

AN INITIATIVE FOR SUSTAINABLE CARNAUBA WAX

Carnauba wax is a natural raw material that has been used for many decades for surface treatment in the confectionery field – particularly in glazing agents. The wax is obtained exclusively from the carnauba palm in the northeast of Brazil. In the region the wax serves as a natural protective layer on the palm leaves.

CAPOL sources carnauba wax from qualified processors that prepare the raw product for the food industry in line with international standards. The supply chain typically begins with the harvest by small and micro entrepreneurs or contract collectors. This makes it difficult to ensure transparency in the effort to comply with legal standards for occupational health and safety, fair pay, and the avoidance of child labor.

To guarantee legally compliant working conditions in carnauba wax extraction, CAPOL considers collaborating with the Brazilian authorities to be both expedient and absolutely necessary. Fulfilling all relevant requirements is a precondition for becoming a supplier to CAPOL. All of our carnauba wax suppliers possess certificates from the Ministry of Labor that all requirements have been met and that they are official supporters of an NGO that campaigns against forced labor and slave labor in Brazil. In addition, our suppliers have undergone an ethical source audit by an internationally recognized certification company and have qualified for the relevant certificate.



Together with a group of public and private organizations – including companies, non-profits and government agencies – as well as the German Society for International Cooperation (GIZ), CAPOL has taken a further step: The **Initiative for Responsible Carnauba** is committed to finding new approaches to address the social and environmental challenges that exist in the carnauba wax harvesting areas and industry. The goal is to ensure responsible production that respects human rights and international labor conventions and preserves biodiversity. Capol GmbH is a founding member of this initiative, whose members have joined their supply chain forces to achieve sustainable solutions to this important issue.

In keeping with its strong commitment to source sustainable raw materials, CAPOL has voluntarily committed to using only sustainable carnauba wax for its conventional products, that is UEBT-certified (Union for Ethical Biotrade) or Fair Trade-certified.

HANDPRINT: THE MORE THE BETTER



Our raw materials come from sources throughout the world and we deliver our products across the globe. This is why our responsibility is not limited to the physical vicinity of our company locations in Germany, the UK, the USA and Canada. Via our parent company, Freudenberg, we are members of the **UN Global Compact** and are therefore committed to the protection of human rights, safeguarding the freedom of association, eliminating forced and child labor, and a number of other principles.

Compliance with the **regulatory** requirements applicable to our industry is mandatory but our basic ethical principles are equally binding. For

example, we have set clear targets for greater sustainability. We continually measure compliance with these targets in order to document progress and, where necessary, work even more intensively on improvements.

Security has a top priority in our value chain.

Safety is a top priority in the planning of our processes and the development of our products. Safety refers not only to the protection of people working for CAPOL or with CAPOL products but also to the possible environmental impact of the production or use of our products. This is why we consider the entire value stream with a view to improving processes and contributing to the conservation of resources and environmental protection.

The same applies to our customers. Our goal is to provide them with support in the achievement of their own sustainability targets by saving energy, reducing emissions and waste volumes, improving productivity, enhancing resource efficiency, and of course ensuring safer foodstuffs.

Through a high level of competence, individually tailored processes and the use of natural and renewable resources, we optimize the shelf life, attractiveness and quality of a variety of confectionery products. Our products, ranging from anti-sticking agents, pre-coating and sealing agents, coated products and machine release agents to our flavors and pigments, are based on tried and tested recipes and consist primarily of natural ingredients or, new, synthetic ingredients where these are more beneficial for the customer.

These synthetic ingredients also allow more effective monitoring of the procurement chain; in most cases, full documentation is available concerning the origins of semi-finished products and raw materials and the conditions under which they were produced.



Raw materials and their sources important for our customers

Wherever possible, we use natural, sustainable ingredients in our products. Our customers as well as end consumers appreciate this, too. This means that although many of the raw materials we use are prepared for industrial processing, they remain largely untreated otherwise. Natural raw materials are not always cultivated but are in some cases harvested or extracted in the wild.

This makes comprehensive monitoring of the supply chain from the origin of a raw material more difficult as neither CAPOL nor its direct suppliers are responsible for raw material harvesting on site. Nevertheless, we take our responsibilities in this area extremely seriously. The main raw materials used for our products are presented below.

Carnauba wax

Carnauba wax forms a natural protective layer on the leaves of the carnauba palm, and is produced only in north-east Brazil. This natural raw material is a food additive and has been used for many years for the surface treatment of confectionery (as a glaze). CAPOL purchases carnauba wax from qualified processing companies who treat the raw material in accordance with international standards for the foodstuffs industry. The product is mainly harvested by small and very small contractors

or casual gatherers. Compliance with requirements such as statutory health and safety standards, fair pay, the avoidance of child labor and other principles can therefore not always be directly ensured in a transparent way in this preliminary stage of production.

As part of the Initiative for Responsible Carnauba, CAPOL is working with a group of public and private organizations to address the social and environmental challenges that exist in the carnauba wax harvesting areas – for fair working conditions and the preservation of biodiversity in the cultivation areas.

Audits and compliance are a must - even for natural ingredients.

From the honeycomb: beeswax

Beeswax is a yellowish natural wax secreted by the honeybee during the construction of honeycombs. Its relatively low melting point makes beeswax a highly versatile raw material for the foodstuffs industry. We use beeswax primarily in glazes and anti-sticking agents for the production of gums based on gelatin and pectin as well as for sugar and non-sugar hard and soft dragées of all types.

From acacia trees: gum arabic

Gum arabic is based on the sap of African acacia trees. The preferred sources of gum arabic are the gum acacia (Senegalia senegal) and the red acacia (Vachellia seyal). As a result of its polysaccharide content, gum arabic is an ideal material for the coating of chocolate dragées and provides them with a brilliant gloss. Gum arabic is also a pure natural product that has been used for centuries as a traditional foodstuff or food additive. The trees that produce this resin are not commercially farmed or cultivated but grow in the wild. The resin is harvested by gatherers.

Shellac

Shellac is a natural resin secreted by the female lac bug (Kerria lacca) mainly on trees in India and Thailand. The female insects use it to create nesting cavities. After they have left these cavities, the material can be harvested from the trees. The raw shellac is then processed and cleaned in gentle extraction processes. The result is a food-quality raw material suitable for use as a sealing agent on hard and soft dragées and for chocolate dragées treated with glazes. For customers who do not wish to use shellac as a result of special nutritional requirements, CAPOL has developed a number of interesting alternatives. In cooperation with the Freudenberg research company FTI, CAPOL has brought to market maturity a cellulose-based variant that is free from animal products.

From trees and fields - oils

Natural oils are indispensable for certain processes in the confectionery industry. Oils that have traditionally been important are palm oil produced from the oil palm, and coconut oil produced from the coconut. Both oils are classed as medium-chain triglyceride (MCT) oils. The cultivation of oil palms is under discussion in connection with the maintenance of natural habitats and biodiversity.

This is why CAPOL is a member of the Round Table for Responsible Palm Oil (RSPO). The group defines a range of environmental and social standards which members must fulfill in order to be able to offer palm oil that is certified as sustainable. The application of these criteria helps to minimize the negative effects of palm oil cultivation on the environment and local communities. In addition, we are developing alternative new products based on polymerized sunflower oil or rape seed oil which is also well-suited for use in the foodstuffs industry and which allow effective monitoring of cultivation.

Economic benefits for our customers

A reduction in the use of raw materials not only has a positive effect on our own environmental footprint but also on that of our customers.

Customers who can use renewable products reduce their own footprint and may find that the disposal of production consumables causes less concern.

The following paragraphs highlight a few examples of our positive impact on our customers' handprints.

Through various measures, we also help our customers to improve their handprint.

Less is more

Modern finishing products which can be used in lower quantities thanks to new formulations not only reduce the quantity of raw materials used but also bring tangible economic benefits. Customers can meet their own resource conservation targets as well as reducing purchasing volumes and disposal expenses.

Reducing machine running times

Most of our products are processed on our customers' machinery. The time required for finishing confectionery depends on the process used. We have developed products that significantly shorten the coating process, reducing energy consumption per unit of product and allowing higher throughput.

Reducing air pollution

It may be very difficult or even not feasible to process certain coating products in solid form. These are normally supplied to the processors as liquids, and the use of solvents is therefore normally necessary. The solvents used by CAPOL include high-purity drinking alcohol. These organic solvents evaporate on contact with the ambient air, allowing products such as glazes to set on the confectionery. In order to reduce evaporation, CAPOL has developed new formulations that allow products to be supplied as pastes rather than as liquids. This approach reduces air pollution at the workplace.

Reducing plastic:

USING SEPARATING AGENTS, NOT SEPARATING FOIL

There is a wide range of application areas for anti-sticking agents in food production. In addition to preventing confectionery from sticking together or to the packaging, anti-sticking agents are also needed in multiple other applications where sticky and easily adherent substances are used. Depending on the application, special expertise is required to develop the compositions that will meet the given requirements and enable the intended function of the separating agent in each application.

In a joint project with a leading manufacturer of packaging machines for the food industry, CAPOL was once again able to demonstrate its development expertise. In the packaging of sliced cheese, cold cuts or vegan substitute products, it is not uncommon to use separating foil made of plastic or paper, so-called interleavings, for better separation. They are applied to each individual slice during the packaging process to prevent slices from sticking together in the package.

Since interleavings not only generate additional waste, but can also release microparticles (microplastics) when the plastic separating foils are cut, the machine manufacturer was looking for a way to replace them with a liquid solution. Together with CAPOL's product developers, innovation was achieved: In a new packaging line, unique on the market, slices are sprayed with CAPOL anti-sticking agents. Optimized for the spraying process by the machine as well as the processed product, the separating agents facilitate clean removal of the individual slices from the packaging. Less plastic waste, less time needed for refilling and higher longevity of the slicing blades and an improved handprint for the customer.



OUR SAFETY CULTURE



Fostering a strong HSE culture is an integral part of our business processes. We systematically include Health, Safety and Environment (HSE) concerns in our economic decisionmaking. We attach great importance to preventive health care, environmental protection, as well as occupational, plant, process, and product safety.

We have implemented numerous technical and organizational measures to ensure safe working conditions and protect the environment. This means that we continuously invest in modern manufacturing processes, the provision of working materials and tools as well as personal safety equipment. Our employees' workplaces are designed according to ergonomic principles and are inspected on a regular basis, also with

regard to the safety of machinery and equipment. Yet, having a safety culture means more than that. Maintaining it is the joint task of all employees in the company. Training and education help to raise awareness of HSE issues. We see this not as a one-off task but as an ongoing process.

To effectively integrate occupational health and safety into our business processes, we have implemented appropriate management systems that are reviewed in regular audits. In 2021 we switched from OHSAS 18001 to the current ISO 45001 standard, thereby once again raising the quality of our occupational health and safety management system. In the corporate context, ISO 45001 focuses more on the involvement of employees in health protection and in consultations; it integrates working conditions along the value chain, for instance in outsourced processes; and anchors occupational health and safety as a central topic at the corporate management level.

We take care.

As part of the Freudenberg "We all take care" program, all company employees are engaged in ensuring health and safety, environmental protection and site safety. Our "Zero Accident" initiative sets the bar high: to completely prevent occupational accidents.

KEY FIGURES FOR CAPOL

Waste volumes per ton of finished product, in kg

	2018 ¹	2019	2020	2021	2022	2023
Waste volumes	61.27	62.35	59.92	38.04	50.57	56.21

¹ Including for the first time: waste volumes of an acquisition in 2017

Water consumption per ton of finished product, in m³

	2018 ¹	2019	2020	2021	2022	2023
Water consumption	2.16	1.92	3.46	2.80	3.44	2.53

¹ Including for the first time: water consumption of an acquisition in 2017

Energy consumption per ton of finished product, in kwh

	2018 ¹	2019	2020	2021	2022	2023
Energy consumption	654.70	577.01	501.59	507.58	632.97	629.69

¹ Including for the first time: energy consumption of an acquisition in 2017

CO₂ emissions*, per metric ton of finished product, in kg

	2018 ¹	2019	2020	2021	2022	2023
CO ₂ emissions connected with energy consumption	165	136	118	114	97	81

^{*} $\rm CO_2$ emissions connected with energy consumption (primary and secondary energy) ¹ Including for the first time: energy consumption of an acquisition in 2017

Development of CO₂ emissions per ton of finished goods produced, 2018-2023

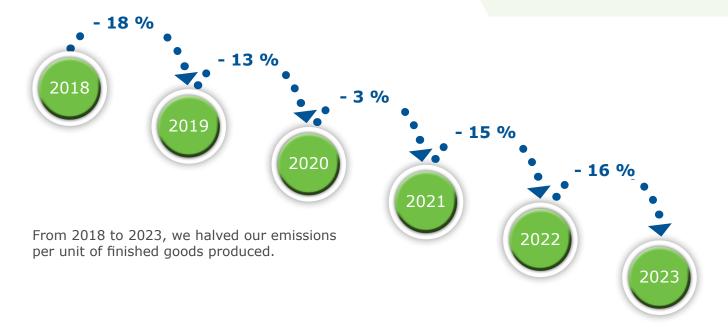






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