

Case Study

Plastic pallets for the dairy industry



Major Achievement

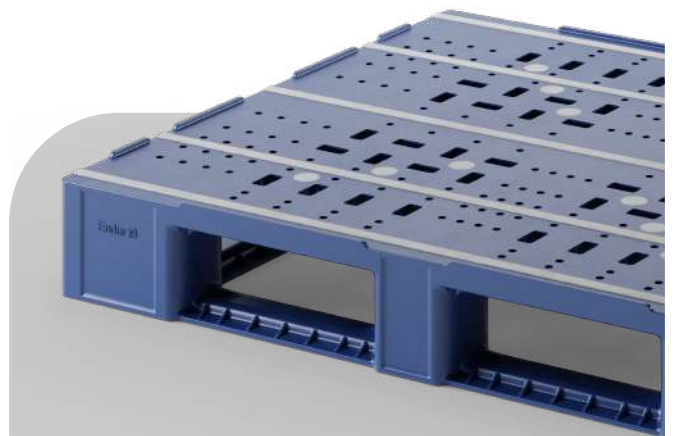
A reliably clean, hygienic pallet with high standard cleaning procedures

The Companies

The Dutch pallet retailer S&K Swieringa Kunststof supplies Royal FrieslandCampina with the durable Endur i9 plastic pallet made by Cabka to use in their milk powder production. S&K also regularly cleans the pallets in accordance with the highest hygiene standards.

FrieslandCampina works with dairy products on a global scale and is a leader in the industry. It has 22.000 employees in 32 countries. And in the Netherlands alone, FrieslandCampina processes 8,5 billion liters of milk annually into drinking milk, butter, cheese, yogurt, condensed milk, and milk powder. The latter is one of the most important export products and is sold primarily in Asia and Africa under brand names such as Dutch Lady (Malaysia and Vietnam), Foremost (Thailand), Frisian Flag (Indonesia), and Peak (Nigeria).

Cabka's Product Solution



Endur i9

Companies	S&K Swieringa Kunststof Royal FrieslandCampina
Location	Netherlands
Industries	Plastic pallet cleaning Dairy Industry
Goods	Dairy products
Solution	Endur i9 (OD-5R)

Requirements

Dairy products are by their nature very sensitive, and milk powder that is primarily used as a basis for baby food has to be handled with particular care. Hygiene always comes first here. The milk powder production at FrieslandCampina is therefore a kind of high-security wing when it comes to hygiene.



The Cabka solution

For the internal logistics, FrieslandCampina uses the highly durable and extremely hygienic Endur i9 plastic pallet from Cabka.

- Endur i9 is ideal for semi-hygienic applications and for applications with high circulation rates in open and closed pools.
- The Endur i9 is a heavy-duty pallet for big bags and loads up to 1500 kilograms in high-bay racks.
- The pallet is manufactured from impact-resistant PP, without metal reinforcement.
- The deck of the Endur i9 is manufactured with gas-assist low pressure injection technology. In this process, hollow channels are generated within the pallet, making it both lighter and stronger – a particular advantage for use in high-bay racks.
- It is also available in a variety of colors. This is perfect for FrieslandCampina, as they can identify the different load easily: red pallets are used for the base powder and blue for the final products.
- Options like safety rims and anti-slip rubber inserts in the deck keep the load safe.



“ The Endur plastic pallets are perfect for this job; it wouldn’t work at all with wooden pallets. They are robust, which is perfect for use in high-bay racks – and they come in different colors.”

Bert Stoit,
Royal FrieslandCampina





Back to the supplier S&K Swieringa, the company which cleans, overhauls, and delivers the plastic pallets for FrieslandCampina and who has been Cabka's retail partner for many years. The cleaning company has since become a thriving retail and service company. With his high-quality cleaning services, Swieringa offers a sought-after and unique service. Wiebe Swieringa: "The customer only gets a reliably clean, hygienic pallet if a long series of regulations are followed that guarantee that the product hasn't come into contact with any contaminants after the actual cleaning."

At S&K Swieringa, the dirty area, where the pallets to be cleaned arrive and are then sorted, prewashed, and rid of minor dents, is hermetically separated from the clean area behind the actual pallet washing system. This area is fully air-conditioned, the air is filtered, and the employees wear protective clothing.

Only after the cleaned pallets are completely dried and packed in plastic film are they then loaded onto a truck and returned to the customer. And because even the life of a plastic pallet comes to an end at some point,

Wiebe Swieringa has been buying back discarded pallets for some time now in order to recycle these and bring the valuable raw materials back into circulation. He concludes: "Together with Cabka, we are ready for the future!"

"A total of 30,000 units are constantly in circulation – 6,000 are sent to cleaning each month."

The right choice

Both of these industry power players trust Cabka to provide reliable, reusable, and well-designed pallets that meet their acute supply-chain needs. The Endur i9 Plastic Pallet is only one of the many pallet options our dairy-industry partners use.





- Benefits**
- An excellent solution for big bags and heavy loads
 - Designed to maximize impact resistance
 - Ideal for semi-hygienic applications

- Options**
- Anti-slip strips and grommets on deck, grommets under deck
 - Specific colors on request
 - Individual marking and labeling

Technical Data	Bottom support	Top Deck	Dimensions (mm)	Maximum Load Capacities (kg)			Weight (kg)
				Static	Dynamic	Racking	PE
Endur i9 (OD-5R)	5 runners	open	1200 x 1000 x 165	8000	3000	1500	26,0

Entry: 4 ways | Nesting height: - | Safety rim: 7mm

Logistics Data	Standard Truck Europe		Standard Truck USA		Mega Truck		Jumbo Truck		40' HC Container	
	per Stack	Total	per Stack	per Truck	per Stack	per Truck	per Stack	per Truck	per Stack	per Truck
Endur i9 (OD-5R)	15	390	-	-	17	442	17	476	16	342

Technical data are guideline values based on experience and tests according to ISO 8611 with evenly distributed loads at 20°C. The data may vary based on intended use, product features, raw materials used and environmental influences. Upon request our sales team will confirm the data required for your individual application.