



## Case study: Eurofirany

Optimal goods organisation in the new Eurofirany warehouse

Location: Poland



Mecalux has supplied all the storage systems in the new Eurofirany warehouse in Żywiec (Poland). On one side, there is a total of three floors of racks with walkways and on the other, cantilever racks for longer articles. The objective of both solutions is to classify goods according to their size and demand, as well as to streamline storage and picking tasks.



## About Eurofirany

Founded in 1991, Eurofirany is one of the most well-known textile businesses in Poland. It started out manufacturing curtains, but these days it has widened its product catalogue and also sells cushions, blankets, bedding and home décor items.

In the last few years, Eurofirany has not stopped growing in Poland and has its eye on expanding internationally.

The company has constructed a new warehouse next to its production centre in the town of Żywiec (Poland) to deal with increased sales.



## Needs and the solution

Eurofirany required a storage solution that would offer a high storage capacity for the broad range of SKUs it works with. Furthermore, it needed a very dynamic system for picking orders.

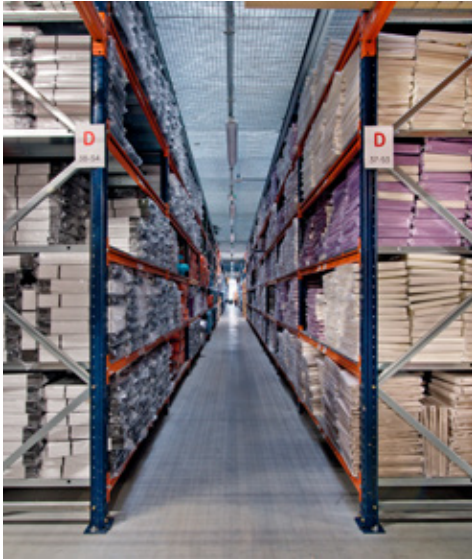
Taking these needs into account, Mecalux installed 9.5 m, three floor high racks that support walkways—otherwise known as raised aisles.

Each of the floors corresponds to a sector, letting the goods be organised correctly.

Next to the racks with walkways, two cantilever racking units were installed for longer unit loads. They consist of columns and can-







tiler arms to rest the loads on. Beside this, a work zone was enabled where profiles are cut and where some products needed for the orders are assembled.

With two levels plus the ground-floor, racks with walkways make full use of the installation's height and increase the storage capacity







### Racks with walkways

Each warehouse level is allocated to a type of product and has a certain number of assigned operators, which may vary depending on the demand and the amount of orders that must be prepared.

The racks stand out for their versatility, adapting to a huge variety of available products, with different volumes and turnovers. They give direct access to the goods, a crucial factor in speedy order

picking. Racking levels have metal shelf inserts that provide greater load stability.

Aisles are wide enough to let operators move around with handcarts, picking and replenishing products. The two operations are carried out during different time slots to avoid interference.

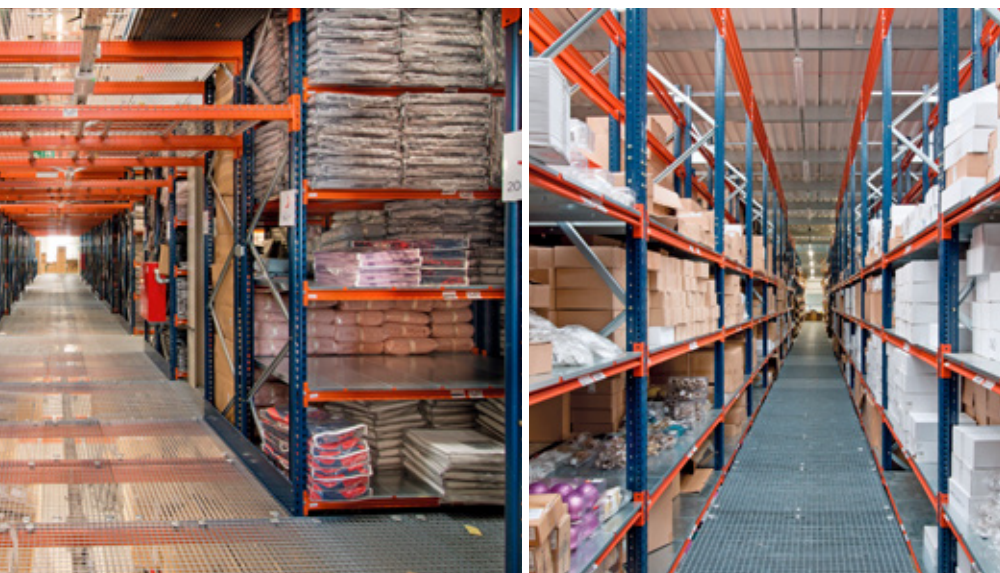
The three levels are connected by six staircases and a goods lift which moves the carts from one level to another. Heavy-duty

galvanised mesh decking covers the floor of the two upper levels.

**This steel mesh creates optimum ventilation and lets water flow freely through the racks if the fire safety system is activated**







Picking is based on the person-to-product criteria. In other words, operators, assisted by RF devices, move to the locations instructed by the warehouse management system. Once there, they collect the articles that are part of the order directly from the shelves. Afterwards, these articles are verified, consolidated and classified in the preloading zones, waiting to be sent to dispatch.



#### **Docking area**

In bottom warehouse level, the orders are verified, packaged, labelled and the required documentation issued for dispatch. Boxes are grouped on pallets and these are classified based on the corresponding order or transport route, in order to streamline loading into the distribution vehicle.







### Advantages for Eurofirany

- **Increased storage capacity:** the racks with walkways optimise the warehouse surface, ramping up the storage capacity.
- **Goods organisation:** products are organised according to their size and demand. Moreover, similar products are classified in the same area.
- **Efficient service:** direct access to goods speeds up picking tasks.



### Technical data

Racking height	9.5 m
No. of floors	3
Surface area per floor	2,900 m <sup>2</sup>
Total area occupied	15,327 m <sup>2</sup>
Staircases	6

