



HighPerformance Bin



**TAKE IT EASY!
KEEP IT STRONG!**



MAXIMUM FILLING WEIGHT

A LEAP AHEAD THANKS TO OUR EXPERTISE

With flexibility, speed, innovative and technologically advanced solutions, excellent material knowledge, and patented features, EUROPLAST has established itself as one of the leading companies in the plastic processing industry. A perfectly coordinated team, short communication channels and quick response times ensure maximum efficiency.

EUROPLAST combines robust durability with a lightweight design, and creates new application possibilities for transport and storage. As a pioneer in the development of new, resource-efficient production processes, EUROPLAST has made a name for itself in the international market with outstanding solution expertise and groundbreaking products such as the “HighPerformance Bin”.

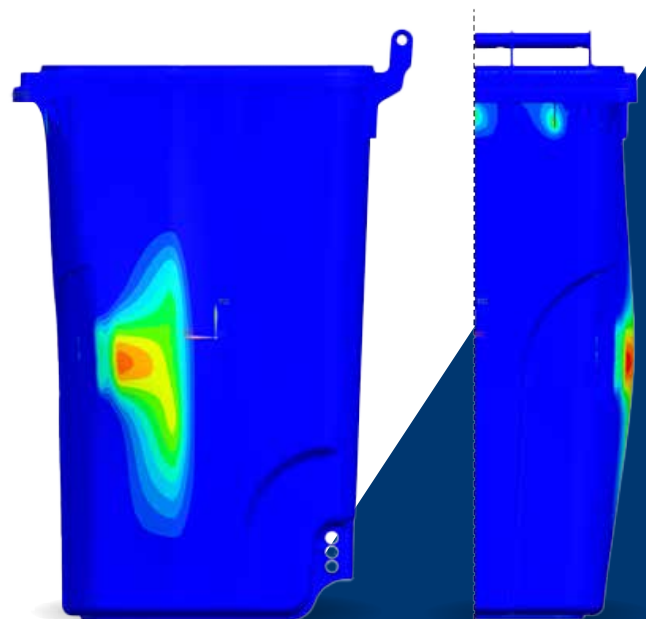


MAXIMUM STRENGTH & RELIABILITY

EUROPLAST has developed the “HighPerformance Bin” with the help of a sophisticated, environmentally friendly technique called the “Finite Element Method (FEM)”. Thanks to the “Finite Element Method”, we can calculate and optimise the effects of various forces.

The Finite Element Method is used in the aircraft industry to meet the demands for higher dynamics and improved energy efficiency in addition to targeted material use with maximum strength and safety. Through technically complex computer simulation, processes can be simulated whose course cannot usually be determined or can only at great expense. The point of FEM is to use material efficiently while guaranteeing maximum load-bearing capacity. This results in a stability that far exceeds conventional component strength.

THE FINITE ELEMENT METHOD (FEM)





PREPARED FOR THE FUTURE

The future-proof container

The "HighPerformance Bin" is equipped with state-of-the-art technology and optimised for digitalisation. EUROPLAST containers can be marked with RFID chips or tags, QR code or permanently using a laser. Fill level sensors can also be integrated on request.

INNOVATION THROUGH COOPERATION

In-Mould Labels

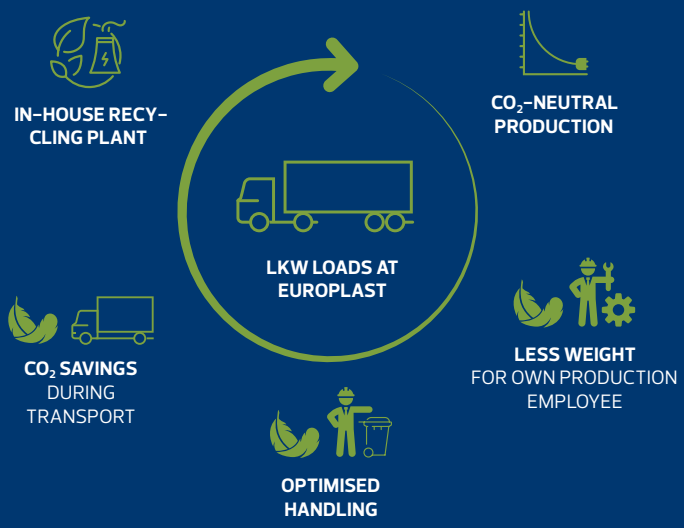
With the in-mould labelling process, EUROPLAST containers are provided with a label at the same time as they are manufactured using the injection moulding process. In a collaborative project with the City of Vienna, IML (In mould label) technology was used to apply moulded films to plastic containers (2 wheel and 4 wheel). The labels in this style are non-removable and scratch-resistant. This results in cost savings over the period of use of the containers, as the tedious collection of containers with detached adhesive labels is no longer necessary. This is a true innovation that was implemented together with the MA 48 team.

INNOVATION MEETS SUSTAINABILITY

In harmony with nature.

EUROPLAST achieves maximum results in harmony with nature. Driven by the goal of combining quality, efficiency, and responsibility for nature in the best possible way, we develop outstanding solutions for climate and environment.

A SUSTAINABLE CYCLE



CO₂ SAVINGS // EXAMPLE

With a 120 lt. container F 100% recycled to a conventional container, 4 kg CO₂ emissions are saved per container.

With a full truck load of 1,200 pcs.

4,800 kg CO₂ are saved.

ADVANTAGES

of the
HighPerformance Bin

★★★★★



IMPROVED ERGONOMICS
(OPTIMISED HANDLING)
FOOT INLET FOR EASY TIPPING

RAL-TESTED DOWN TO THE SMALLEST DETAIL

UP TO 100 % RECYCLED CONTENT POSSIBLE

INCREASED WALL THICKNESSES IN
ZONES AT RISK OF BREAKAGE

SIMPLIFIED WORKFLOWS -
FROM PRODUCTION TO WASTE DISPOSAL

CO₂ REDUCTION THROUGH
OPTIMISED TRANSPORT

NOISE-OPTIMISED LID

MAXIMIZED LOAD CAPACITY DUE
TO FRONT AND CORRUGATIONS

INCREASED STIFFNESS

CO₂-NEUTRAL PRODUCTION

PATENTED CONTAINER TECHNOLOGY

BLAUER ENGEL

HighPerformance Bin

★★★★★

TWO-WHEELED BINS



FOUR-WHEELED BINS



Technical specifications



Patented spring-
loaded comb strip



Patented side
spring



Unique patented comb
holder
– Break-optimised
– Extended life

WHEELS

Ø 200 mm
Ø 250 mm
Ø 300 mm



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