PROTECT XL-PALLET SHIPPER

The built-in safety in your cold chain

System packaging is the ideal medium for transporting your temperature-sensitive products safely in these temperature ranges for up to 120 hours:

PROTECT Ambient (+15°C to +25°C)

PROTECT Cool (+2°C to +8°C)

PROTECT Frozen (< -25°C to -15°C)

The modular design of the system packaging enables temperature- and runtime-specific equipping with cooling elements. The PROTECT XL Pallet boxes are available with useable volumes from 335 L to 1588 L. The XL pallet box consists of a base plate that is placed on a pallet. Appropriate recesses on the underside of the base plate make it easier to hang up.

The filled Euro pallet can be placed directly on the base plate (internal dimensions 1250 x 850 mm). The exact position of the Euro pallet is indicated by a corresponding indentation in the floor. The quartered L-parts are then placed on the base plate as a frame at the desired height and then closed with the lid.

The PROTECT XL pallet box can be expanded in a modular way using additional stacking frames. The box thus grows with your requirements and can be set up very easily and quickly by just one person.
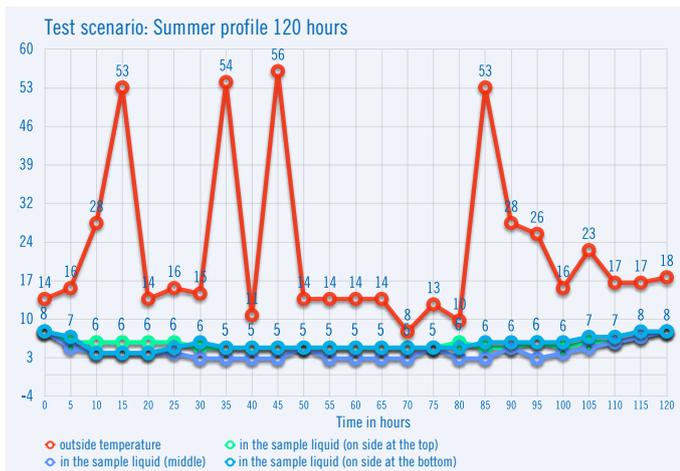
All the advantages of the PROTECT XL-Pallet Shipper:

* **Flexible system solution:** GDP-compliant, qualified system solutions in the temperature ranges +15°C to +25°C (Ambient) or +2°C to +8°C (Cool) or -25°C to -15°C (Frozen)

* **Compatible with ICECATCH:** all PROTECT system packaging can be used with the cooling elements ICECATCH Solid Ambient 800 g, ICECATCH Solid Insulated Cool 1.100 g, ICECATCH Solid Frozen 1.800 g and commercially available dry ice.

* **Efficient cooling element format:** low scheduling and stocking costs, as only one cooling element format is required

* **Without further insulation:** easy handling, no additional insulation material

* **Optimal usable volume:** reduced packaging size with optimum net useful volume

* **No slipping:** the cooling elements are firmly seated in the box due to the attachment and insertion frame

* **Modularity:** Modular system with regard to volume, temperature and runtime requirements

* **Simply light:** reduced transport costs due to weight optimization

* **Ordered today, with you tomorrow:** immediate, global availability
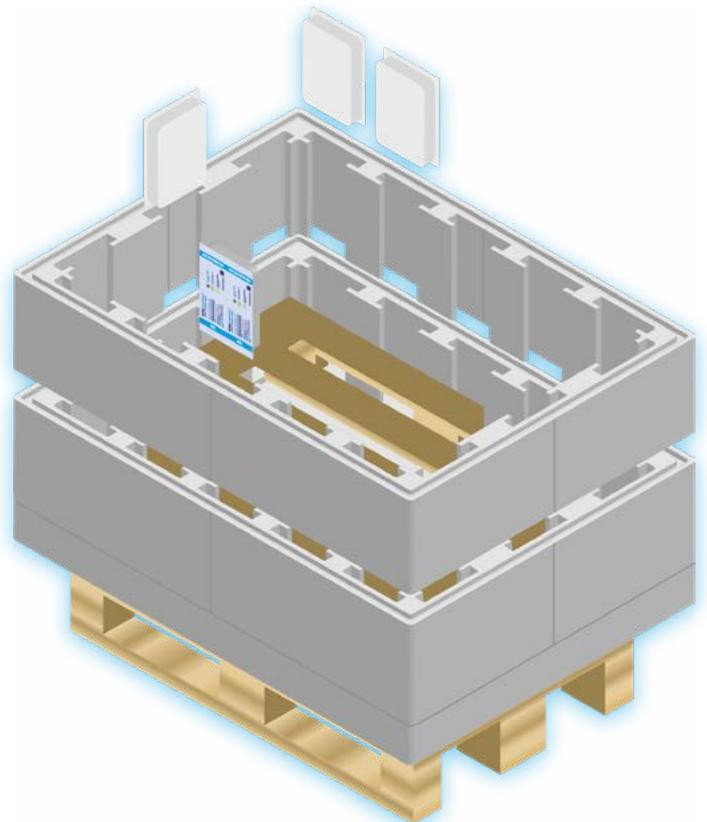
* **No tools needed:** no tooling costs

PROTECT AMBIENT
PROTECT COOL
PROTECT FROZEN

Test scenario: Summer profile 120 hours

outside temperature
in the sample liquid (middle)
in the sample liquid (on side at the top)
in the sample liquid (on side at the bottom)

Transport Simulation Summer 120 Hours

PROTECT XL- Pallet Shipper with 4 stacking frames
64 x ICECATCH® Solid Insulated Cool 1.100g
(pre-conditioned for min. 72 hrs. at ca. -20°C)

You can find more information
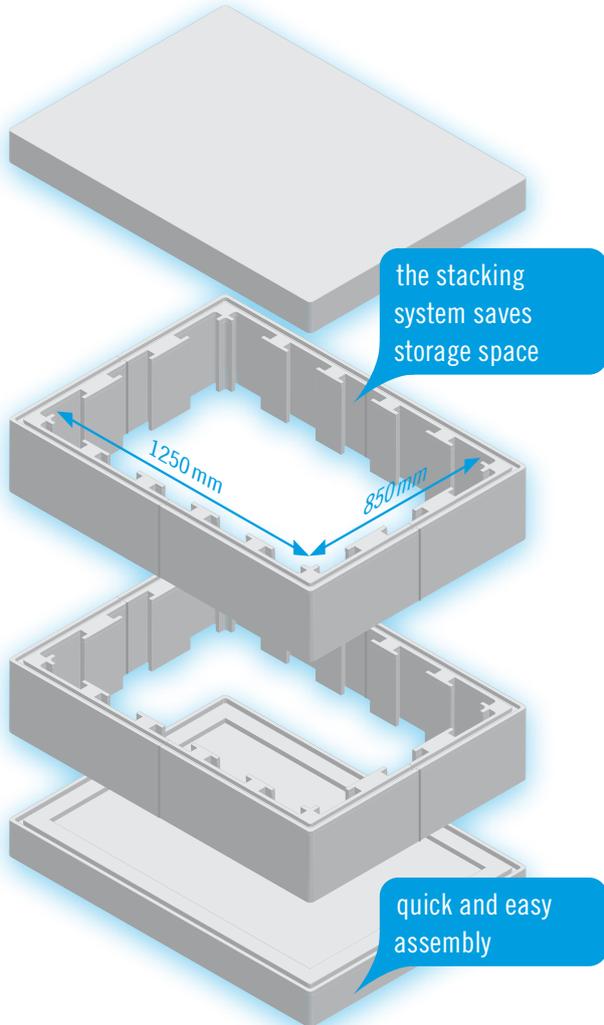in our product page.

ICECATCH®

modular, sustainable, innovative

eutecma gmbh · Tel. +49 621 49 30 78 0 · www.eutecma.com · info@eutecma.com

1. Delivery & storage

The qualified XL-Pallet Shipper V2 consists of a base, the appropriate number of stacking frames and a lid. The components are delivered dismantled and stacked inside each other on pallets.

This makes compact transport and storage possible.

the stacking system saves storage space

1250 mm

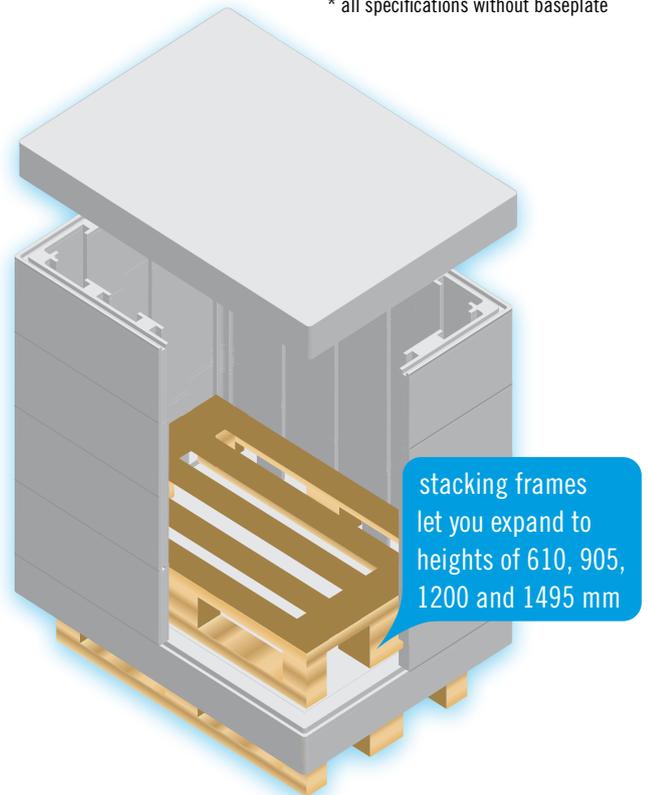850 mm

quick and easy assembly

2. Assembly & Expansion

The pallet box can be assembled in no time at all by one person using the L-shaped frame elements. The base plate can be expanded to shipping volume you need by adding stacking frames.

The dimensions of the PROTECT XL- Pallet Shipper are:

	Useable interior (L x W x H) in mm	Outer dimensions in mm
base + 1 stacking frame:	1250 x 850 x 315	1450 x 1050 x 505*
+ 2 stacking frames:	1250 x 850 x 610	1450 x 1050 x 800*
+ 3 stacking frames:	1250 x 850 x 905	1450 x 1050 x 1095*
+ 4 stacking frames:	1250 x 850 x 1200	1450 x 1050 x 1390*
+ 5 stacking frames:	1250 x 850 x 1495	1450 x 1050 x 1685*
Ice frame		1450 x 1050 x 95

* all specifications without baseplate

stacking frames let you expand to heights of 610, 905, 1200 and 1495 mm
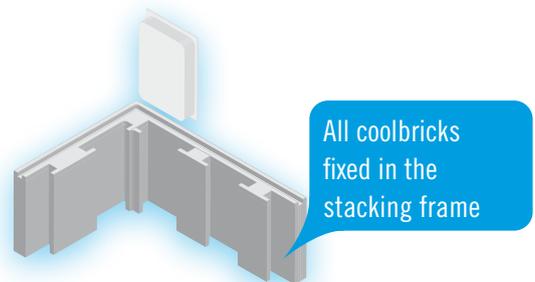
3. Attaching cool bricks

Like all PROTECT packaging solutions, PROTECT XL-Pallet Shipper can be equipped with the exactly the right number of cool bricks to meet your temperature needs.

Slots in the sides of the stacking frames allow as many cool bricks as needed to be quickly and easily fitted into clearly defined positions, even if the PROTECT XL- Pallet Shipper has already been filled with product.

PROTECT Ambient (+15°C to +25°C): ICECATCH Solid Ambient 800 g

PROTECT Cool (+2°C to +8°C): ICECATCH Solid Insulated Cool 1.100 g

PROTECT Frozen (< -25°C to -15°C): ICECATCH Solid Frozen (alternative standard dry ice)

All coolbricks fixed in the stacking frame

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