

System solutions / 48 hours at 15-25 °C





5-litre System Solution



15-litre System Solution



25-litre System Solution



38-litre System Solution

### Climate Chamber Test

We use our climate chamber to subject the solutions for our customers to very thorough testing. We can work with scenarios from -25 to +50°C. Regular calibration ensures that our readings are reliable.

### Thermoshipping

Storopack develops and produces efficient thermal packaging which is designed for specific products and which takes account of the climate in which they are transported and stored. Temperature-sensitive goods at 15-25°C can thereby be despatched safely, quickly and economically.

## System solutions for temperature-controlled transport for up to 48 hours at 15-25 °C

Available from stock and attractively priced

Storopack offers four pre-qualified box sizes for temperature-controlled transport for up to a minimum of 48 hours at 15-25 °C. The system solutions are available ex warehouse.

All the system solutions consist of the following components:

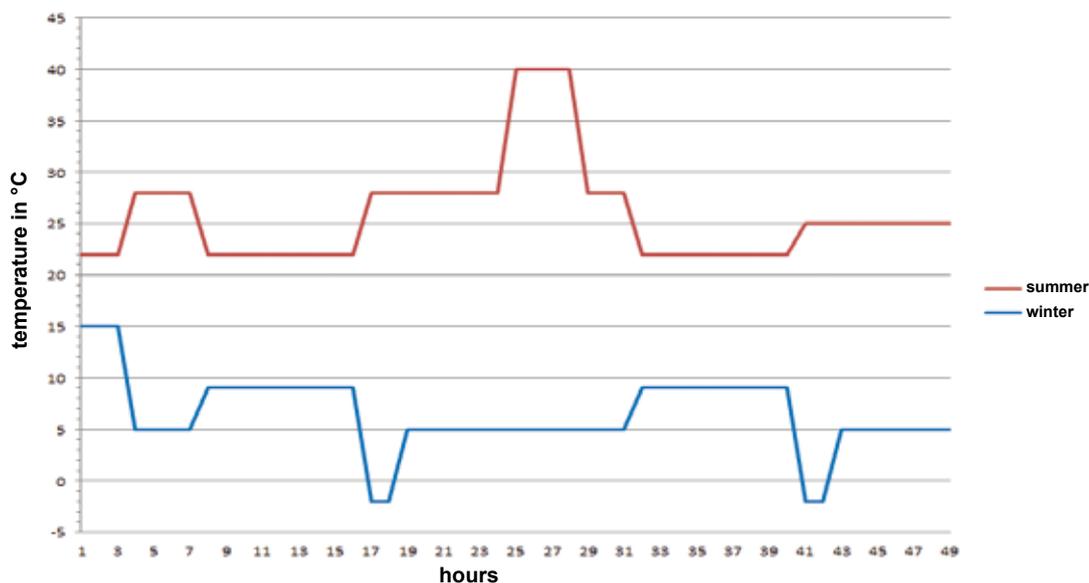
- Polystyrene box
- Inner carton (payload)
- Cooling agent (PCM-accumulators)
- Packaging instructions
- Outer / shipping carton
- Certification report

48h system box	external dimensions in mm	usable dimensions in mm	usable volume in litre	empty weight incl. cooling agent
5-litre system box	401 x 401 x 343	274 x 146 x 132	5	7.100 g
15-litre system box	615 x 415 x 397	416 x 280 x 134	15	12.600 g
25-litre system box	615 x 415 x 482	478 x 216 x 250	25	13.700 g
38-litre system box	769 x 589 x 387	633 x 389 x 155	38	18.400 g

Prequalified with standardised summer and winter scenarios

To document the effectiveness of the boxes, all the solutions are pre-qualified on the basis of the European norm AFNOR NF S99-700. The certification is issued for empty packaging without transported goods, the 'worst case scenario'. The average temperatures are 26°C for the summer scenario and 7°C for the winter scenario.

**48h ambient temperature**

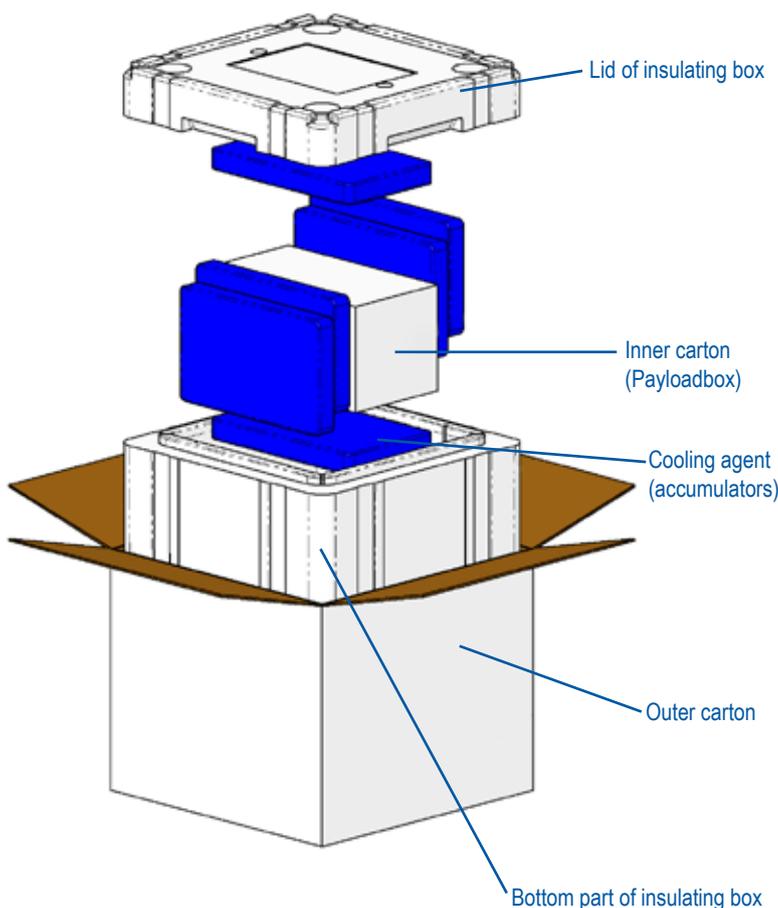


# System box with 5 litres useable volume

The version with 5 litres of useable volume is the smallest box in the 48h system solution range. Ideal for small quantities of temperature-sensitive products or special pharmaceuticals. The inner box shields the goods from direct contact with the real PCM-accumulators +22. This thermal box offers clear advantages during handling with an empty weight of only 7.100 g.

## Product information

- External dimensions: 401 x 401 x 343 mm
- Inner carton dimensions: 274 x 146 x 132 mm
- Useable volume: 5 litres
- Cooling agent: 6 PCM-accumulators
- Total weight of packaging including all cooling agents and cardboard packaging: 7.100 g



## Packing information

One accumulator is placed on the bottom of the insulating box, the packed inner carton is placed on top and four accumulators are placed along the sides. The sixth accumulator is placed on the box, the lid of the insulating box is closed and the package finished for consignment with adhesive tape.

For an easier handling, the empty bottom part of the insulating box can be placed in the outer carton right from the start.

Detailed instructions on packing will be provided.

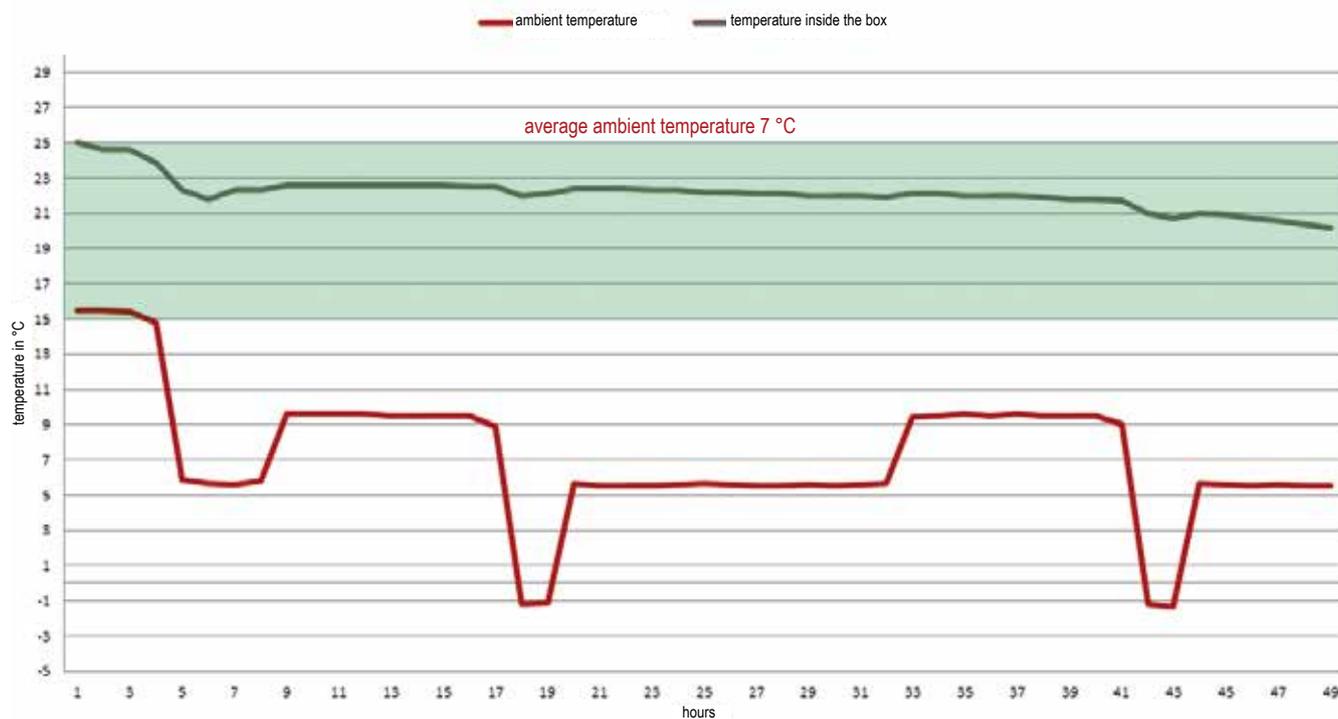
---

## Temperature simulation in the climate chamber

---

Parameters for the winter profile:

- Ambient temperature: based on AFNOR profile NF S99-700 with an average temperature of 7 °C
- 5.640 g of cooling agent in the form of real PCM-accumulators +22
- Empty packing space (worst case scenario) to be on the safe side

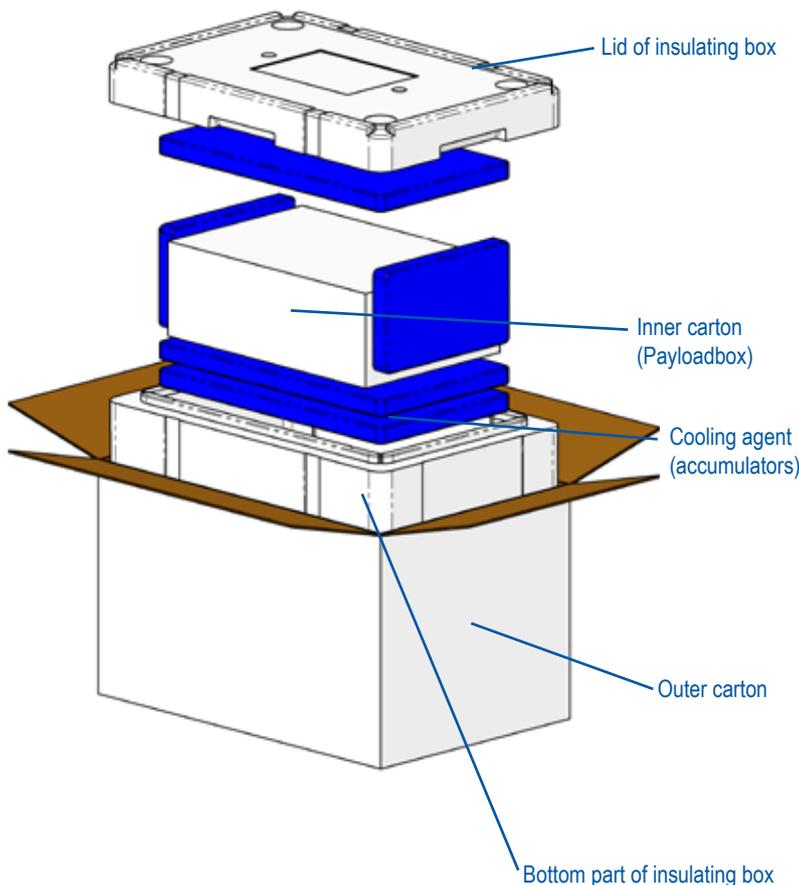


# System box with 15 litres useable volume

This system box with 15 litres of useable volume offers various usage possibilities. Thanks to the rectangular form of the insulating box, longer or flat-lying objects can also be packed without having to resort to a bigger box. The five real PCM-accumulators +22 guarantee uniform temperature control of the goods and lie flat around the inside carton.

## Product information

- External dimensions: 615 x 415 x 397 mm
- Inner carton dimensions: 416 x 280 x 134 mm
- Useable volume: 15 litres
- Cooling agent: 5 PCM-accumulators
- Total weight of packaging including all cooling agents and cardboard packaging: 12.600 g



## Packing information

Two accumulators are placed on the bottom of the insulating box, the packed inner carton is placed on top and two accumulators are placed along the narrow sides. The fifth accumulator is placed on the box, the lid of the insulating box is closed and the package finished for consignment with adhesive tape.

For an easier handling, the empty bottom part of the insulating box can be placed in the outer carton right from the start.

Detailed instructions on packing will be provided.

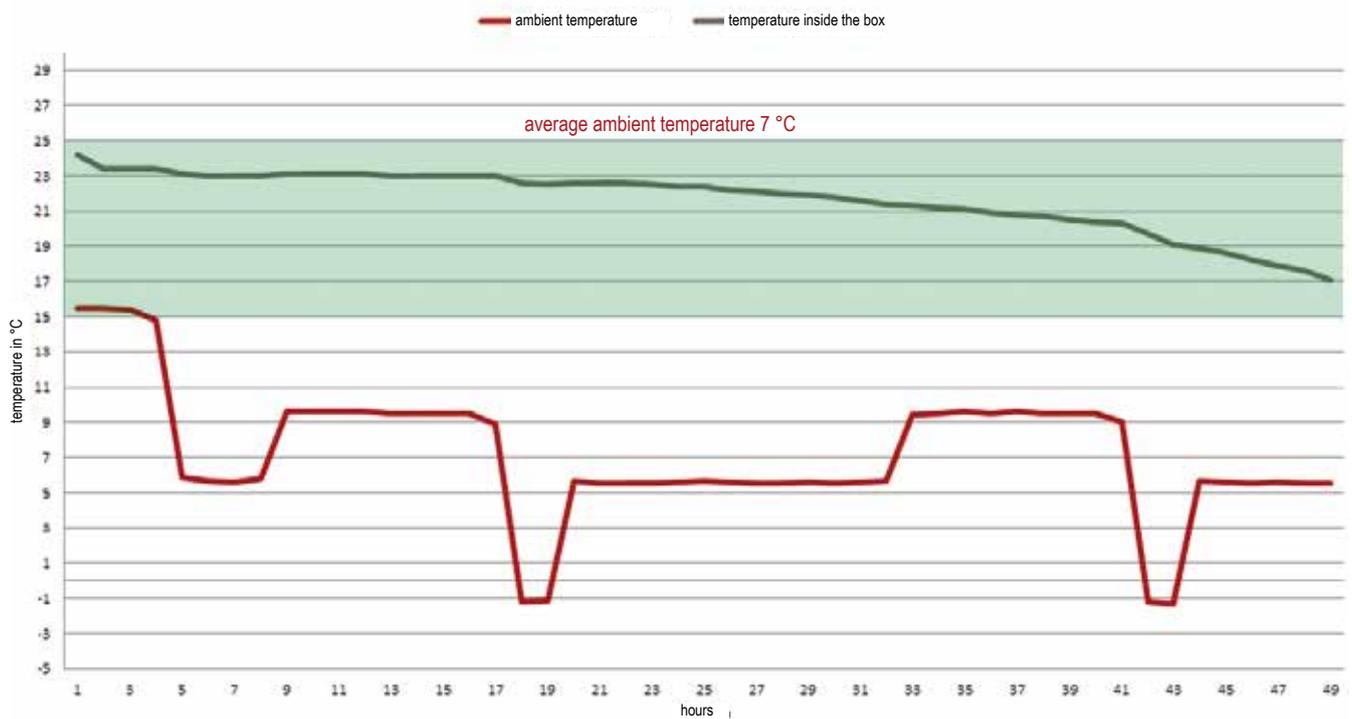
---

## Temperature simulation in the climate chamber

---

Parameters for the winter profile:

- Ambient temperature: based on AFNOR profile NF S99-700 with an average temperature of 7 °C
- 9.980 g of cooling agent in the form of real PCM-accumulators +22
- Empty packing space (worst case scenario) to be on the safe side



# System box with 25 litres useable volume

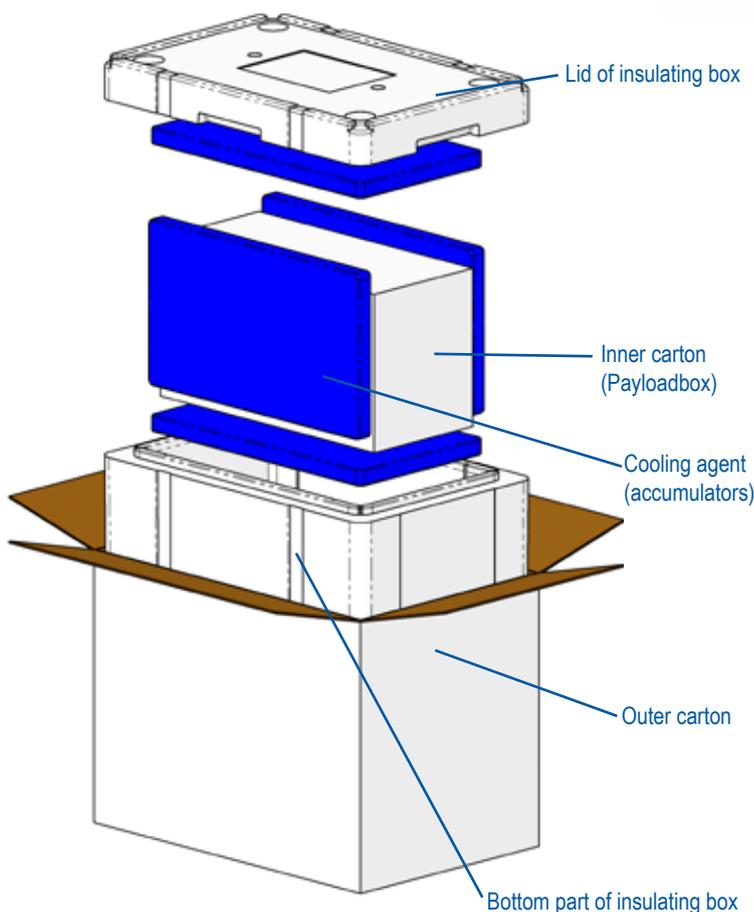
This version is particularly long and high, which makes it an all-rounder for the consignment of temperature-sensitive goods. With only four real PCM-accumulators +22, the box can be loaded quickly. It maintains a temperature of 15-25°C for more than 48 hours in a summer scenario at an average ambient temperature of 26°C.

---

## Product information

---

- External dimensions: 615 x 415 x 482 mm
- Inner carton dimensions: 478 x 216 x 250 mm
- Useable volume: 25 litres
- Cooling agent: 4 PCM-accumulators
- Total weight of packaging including all cooling agents and cardboard packaging: 13.700 g



## Packing information

One accumulator is placed on the bottom of the insulating box, the packed inner carton is placed on top and two accumulators are placed along the sides. The fourth accumulator is placed on the box, the lid of the insulating box is closed and the package finished for consignment with adhesive tape.

For an easier handling, the empty bottom part of the insulating box can be placed in the outer carton right from the start.

Detailed instructions on packing will be provided.

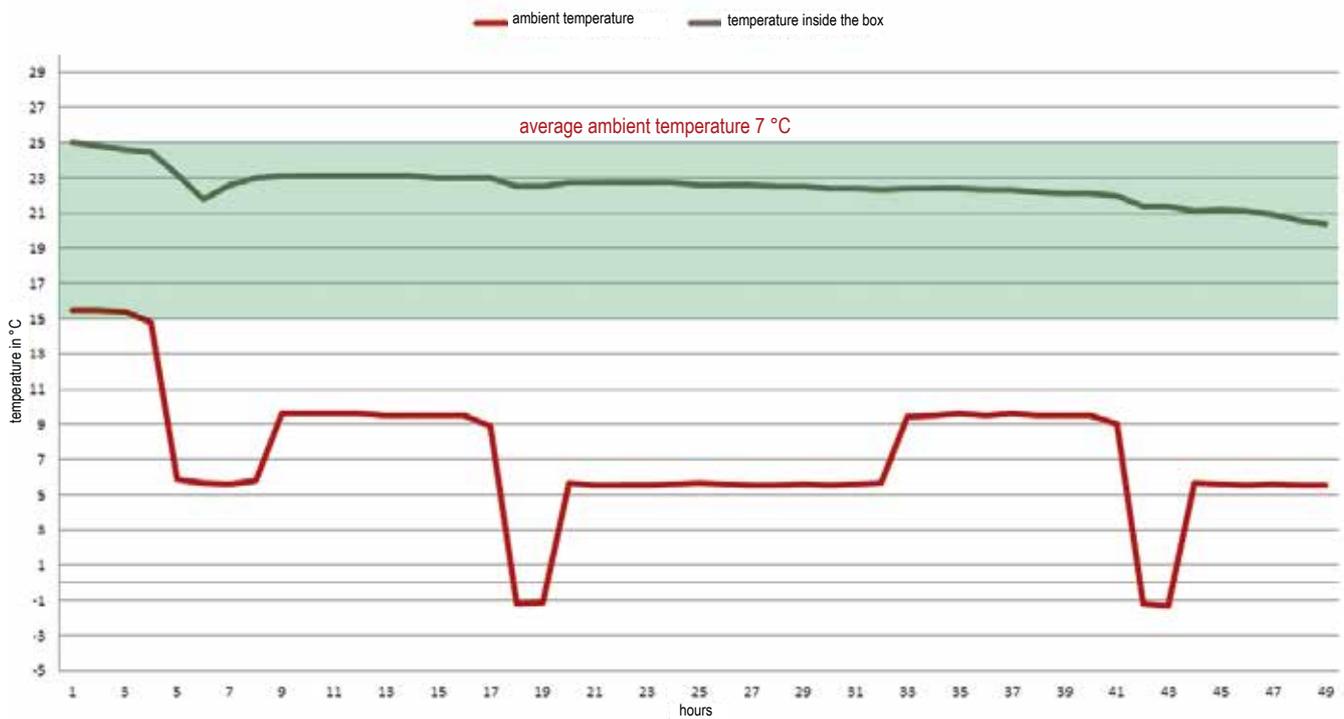
---

## Temperature simulation in the climate chamber

---

Parameters for the winter profile:

- Ambient temperature: based on AFNOR profile NF S99-700 with an average temperature of 7 °C
- 10.800 g of cooling agent in the form of real PCM-accumulators +22
- Empty packing space (worst case scenario) to be on the safe side



## System box with 38 litres useable volume

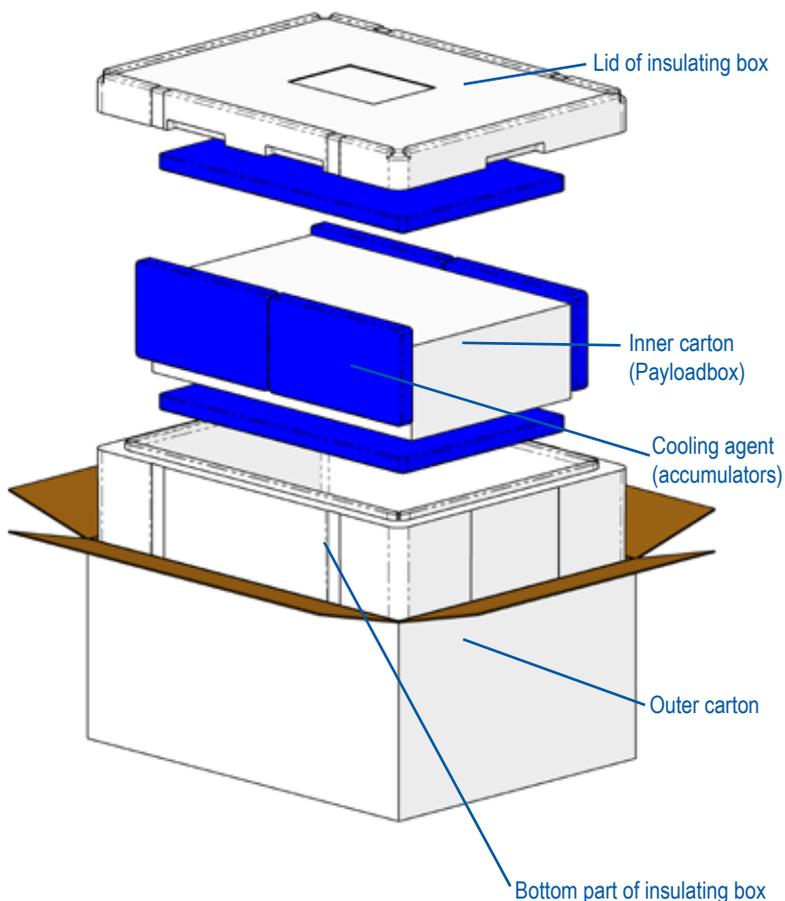
The version with 38 litres of useable volume is the largest box in Storopack's 24-hour system solution range. Eight of these XL boxes can be stacked on a standard 800 x 1200 mm europallet without loss of space, thereby offering an overall usage volume of approximately 305 litres per pallet. Additional advantages: easy handling and rapid packing with just six real PCM-accumulators +22 per box.

---

### Product information

---

- External dimensions: 769 x 589 x 387 mm
- Inner carton dimensions: 633 x 389 x 155 mm
- Useable volume: 38 litres
- Cooling agent: 6 PCM-accumulators
- Total weight of packaging including all cooling agents and cardboard packaging: 18.400 g



### Packing information

One accumulator is placed on the bottom of the insulating box, the packed inner carton is placed on top and four accumulators are placed along the sides. The sixth accumulator is placed on the box, the lid of the insulating box is closed and the package finished for consignment with adhesive tape.

For an easier handling, the empty bottom part of the insulating box can be placed in the outer carton right from the start.

Detailed instructions on packing will be provided.

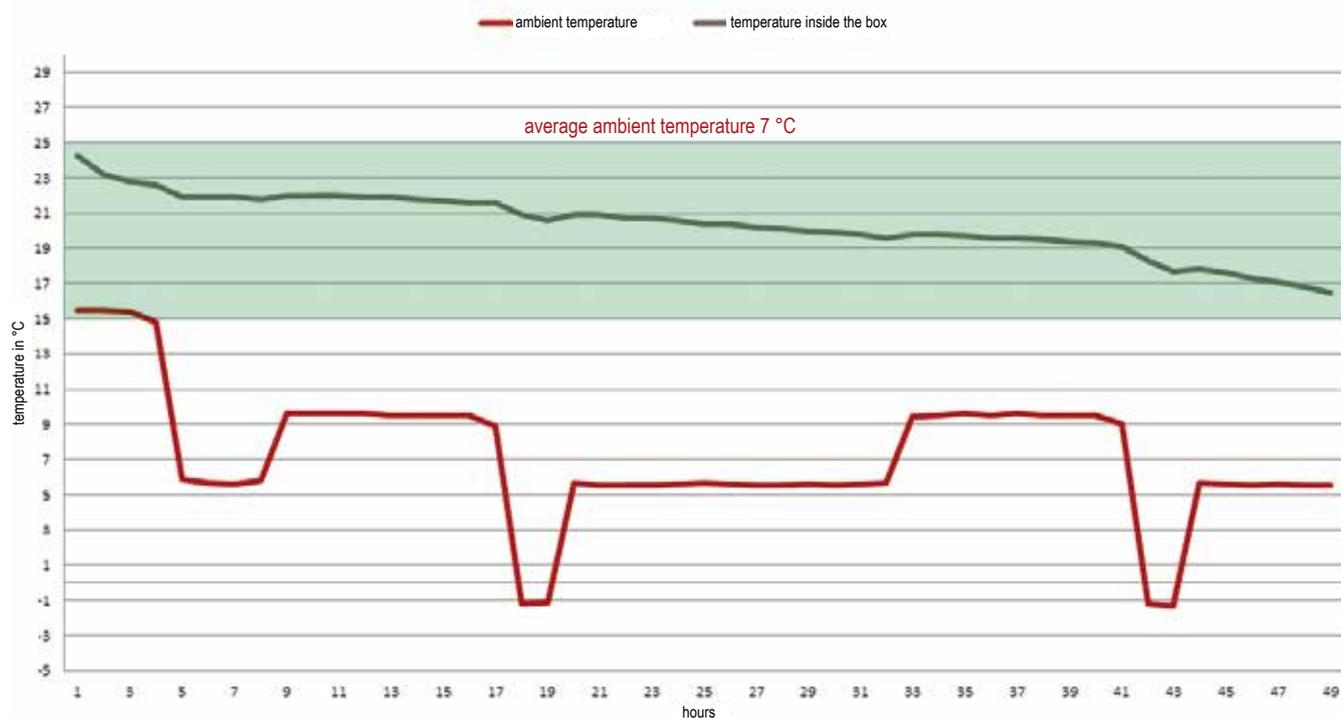
---

## Temperature simulation in the climate chamber

---

Parameters for the winter profile:

- Ambient temperature: based on AFNOR profile NF S99-700 with an average temperature of 7 °C
- 14.160 g of cooling agent in the form of real PCM-accumulators +22
- Empty packing space (worst case scenario) to be on the safe side



**Head Office**

Storopack Deutschland GmbH + Co. KG  
Untere Rietstraße 30  
D-72555 Metzingen

Asia-Pacific +852 3421 2392  
Europe +800 7867 6722  
North America +1 800 827 7225  
South America +55 11 5677 4699

[www.storopack.com](http://www.storopack.com)  
[info@storopack.com](mailto:info@storopack.com)

