

System solutions / 24 hours at 15-25 °C





9-litre System Solution



22-litre System Solution



34-litre System Solution



45-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 24 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 24 hours at 15-25 °C. The system solutions are available ex warehouse.

All the system solutions consist of the following components:

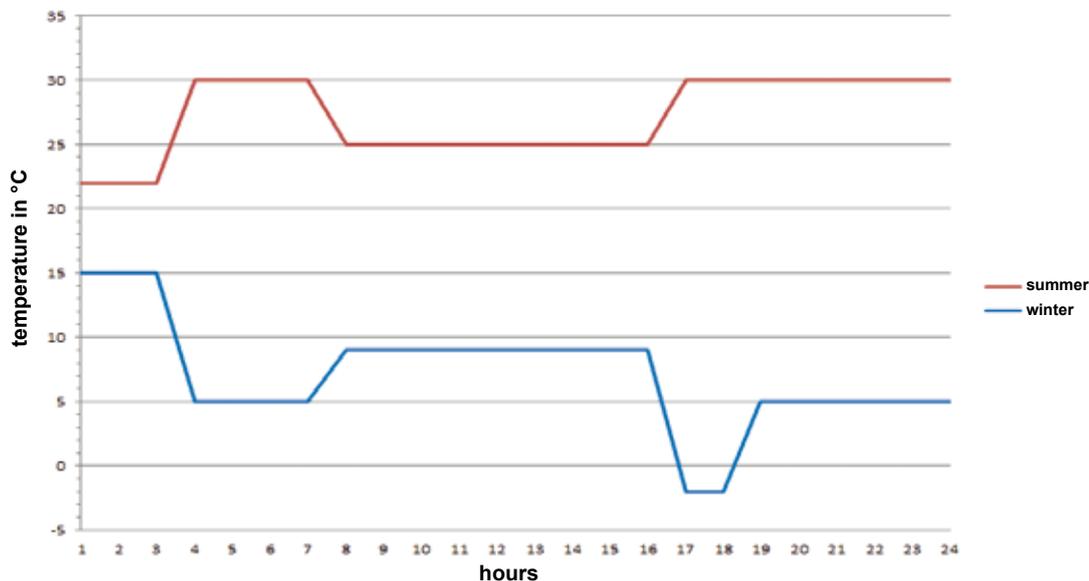
- Polystyrene box
- Inner carton (payload)
- Cooling agent (PCM-accumulators)
- Packaging instructions
- Outer / shipping carton
- Certification report

24h system box	external dimensions in mm	usable dimensions in mm	usable volume in litre	empty weight incl. cooling agent
9-litre system box	401 x 401 x 343	274 x 212 x 164	9	4.300 g
22-litre system box	615 x 415 x 397	478 x 276 x 166	22	8.000 g
34-litre system box	615 x 415 x 482	478 x 276 x 250	34	8.400 g
45-litre system box	769 x 589 x 387	628 x 448 x 156	45	13.500 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 27°C for the summer scenario and 7°C for the winter scenario.

24h ambient temperature

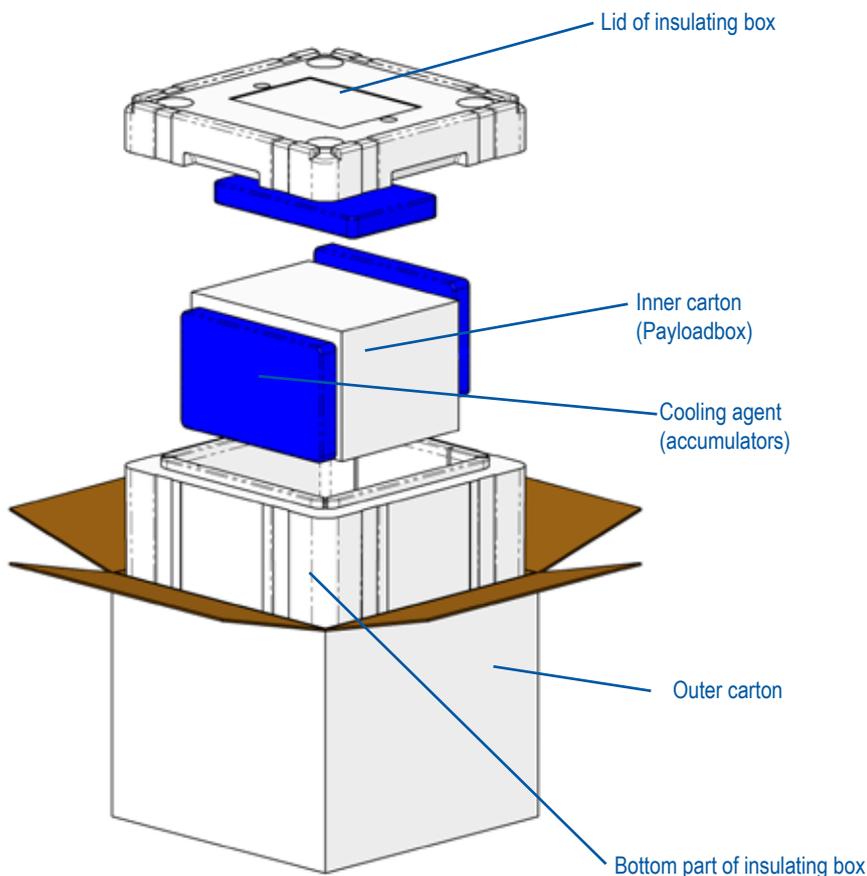


System box with 9 litres useable volume

The version with 9 litres of useable volume is the smallest box in the 24h 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 4.300 g.

Product information

- External dimensions: 401 x 401 x 343 mm
- Inner carton dimensions: 274 x 212 x 164 mm
- Useable volume: 9 litres
- Cooling agent: 3 PCM-accumulators with 940 g each
- Total weight of packaging including all cooling agents and cardboard packaging: 4.300 g



Packing information

Two accumulators are placed along the longer sides of the inner box, the third one is placed on the box, the lid of the insulating box is closed and the package finished for consignment with adhesive tape.

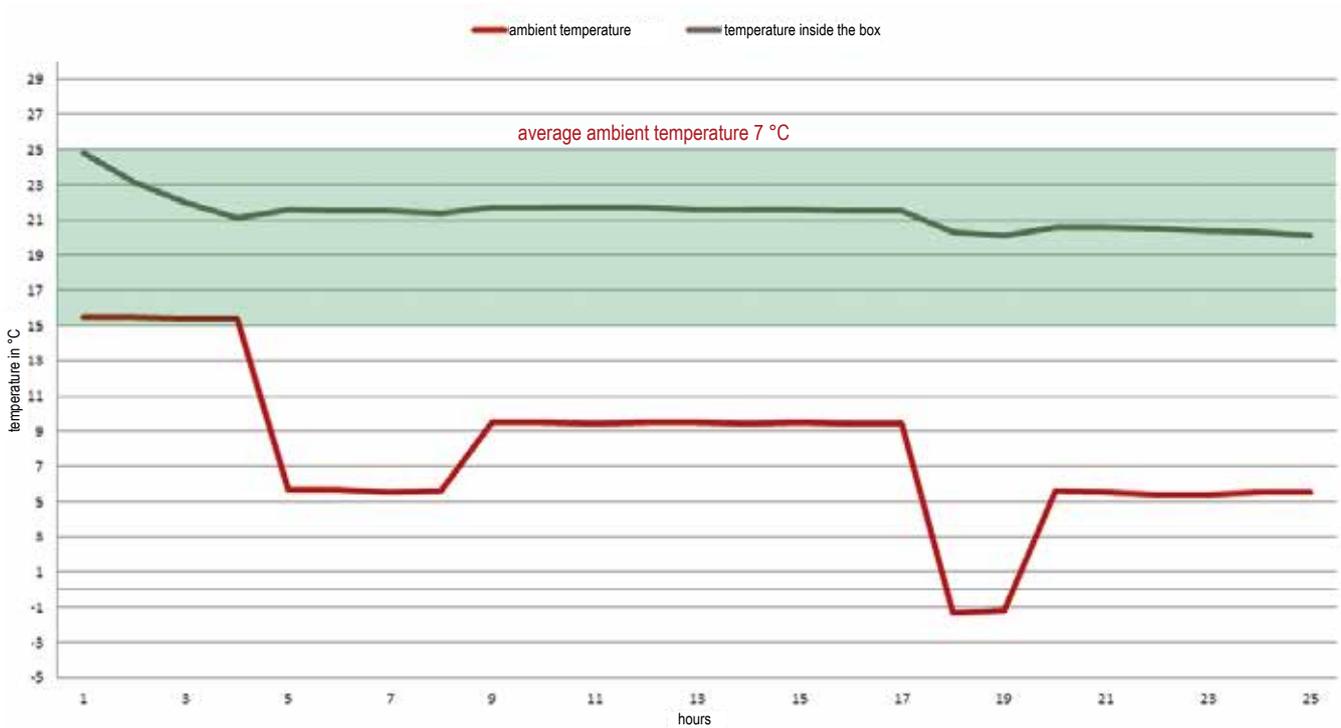
For an easier handling, the empty bottom part of the insulating box can be placed in the outer carton right from the start.

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
- 2.820 g of cooling agent in the form of real PCM-accumulators +22
- Empty packing space (worst case scenario) to be on the safe side

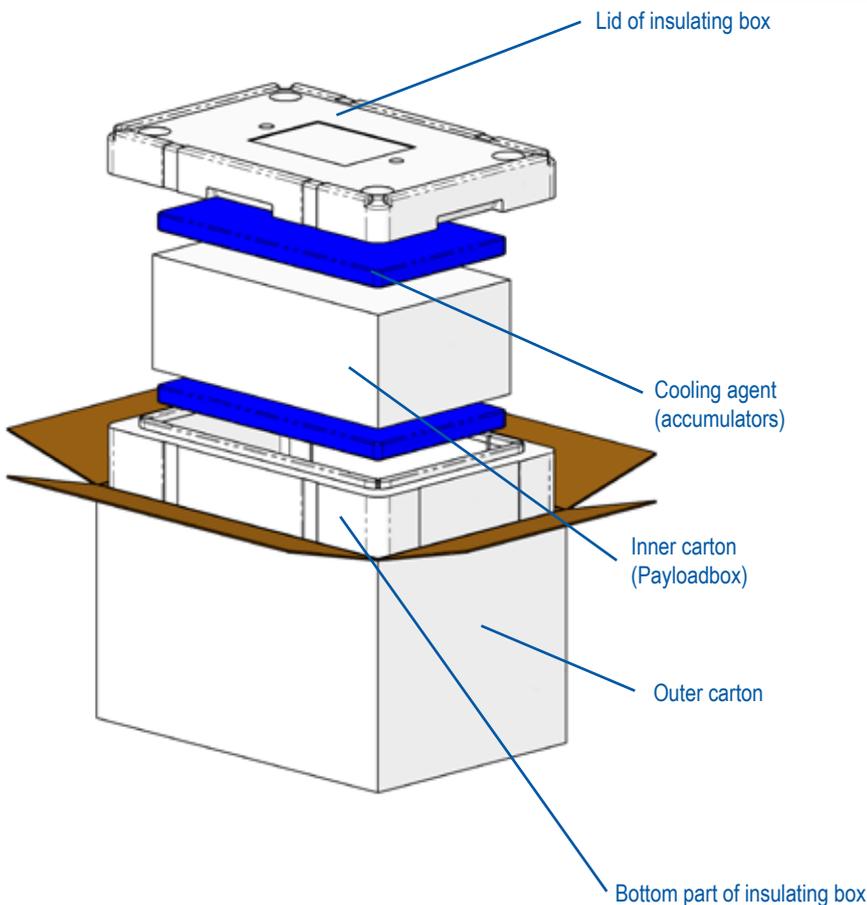


System box with 22 litres useable volume

This version is particularly long which makes it an all-rounder for the consignment of temperature-sensitive goods. With only two real PCM-accumulators +22, the box can be loaded quickly. It maintains a temperature of 15-25°C for more than 24 hours in a summer scenario at an average ambient temperature of 27°C.

Product information

- External dimensions: 615 x 415 x 397 mm
- Inner carton dimensions: 478 x 276 x 166 mm
- Useable volume: 22 litres
- Cooling agent: 2 PCM-accumulators with 2.700 g each
- Total weight of packaging including all cooling agents and cardboard packaging: 8.000 g



Packing information

One accumulator is placed on the bottom of the insulating box, the second one is placed on the box. The lid of the insulating box is closed and the package finished for consignment with adhesive tape.

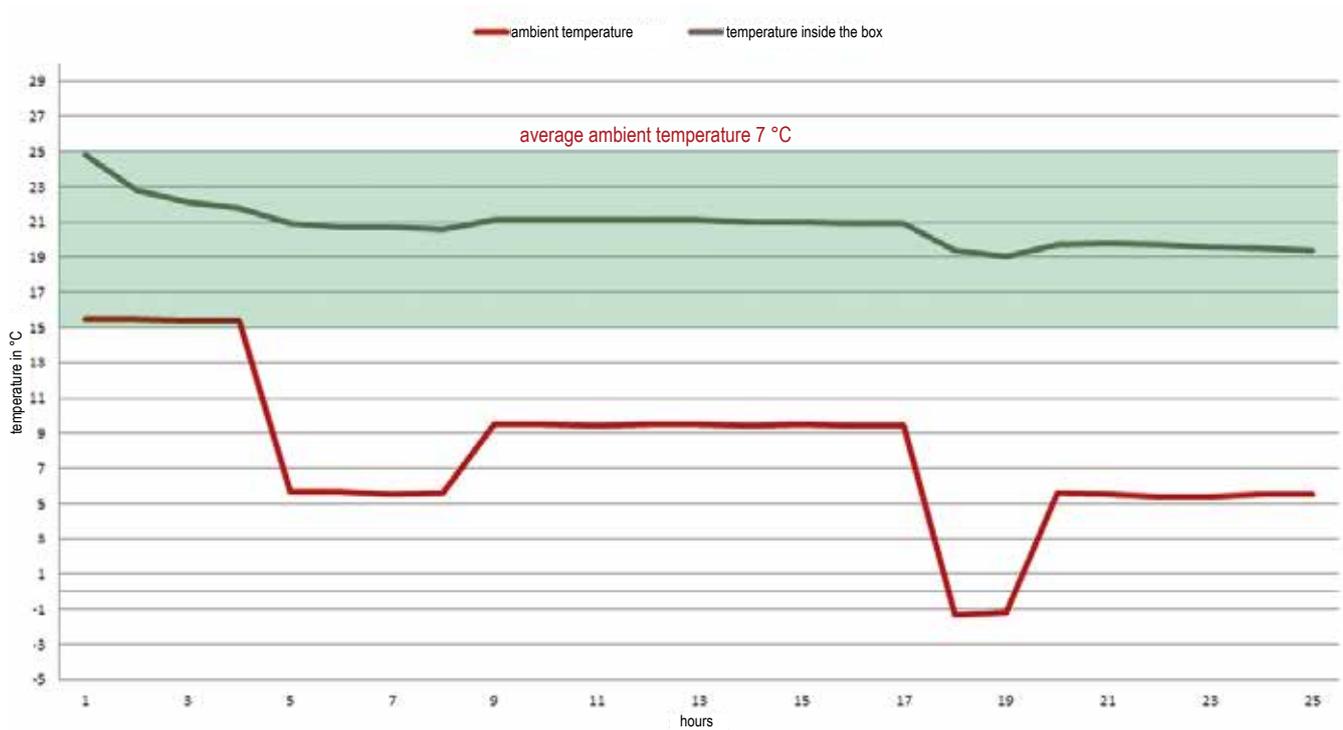
For an easier handling, the empty bottom part of the insulating box can be placed in the outer carton right from the start.

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
- 5.400 g of cooling agent in the form of real PCM-accumulators +22
- Empty packing space (worst case scenario) to be on the safe side

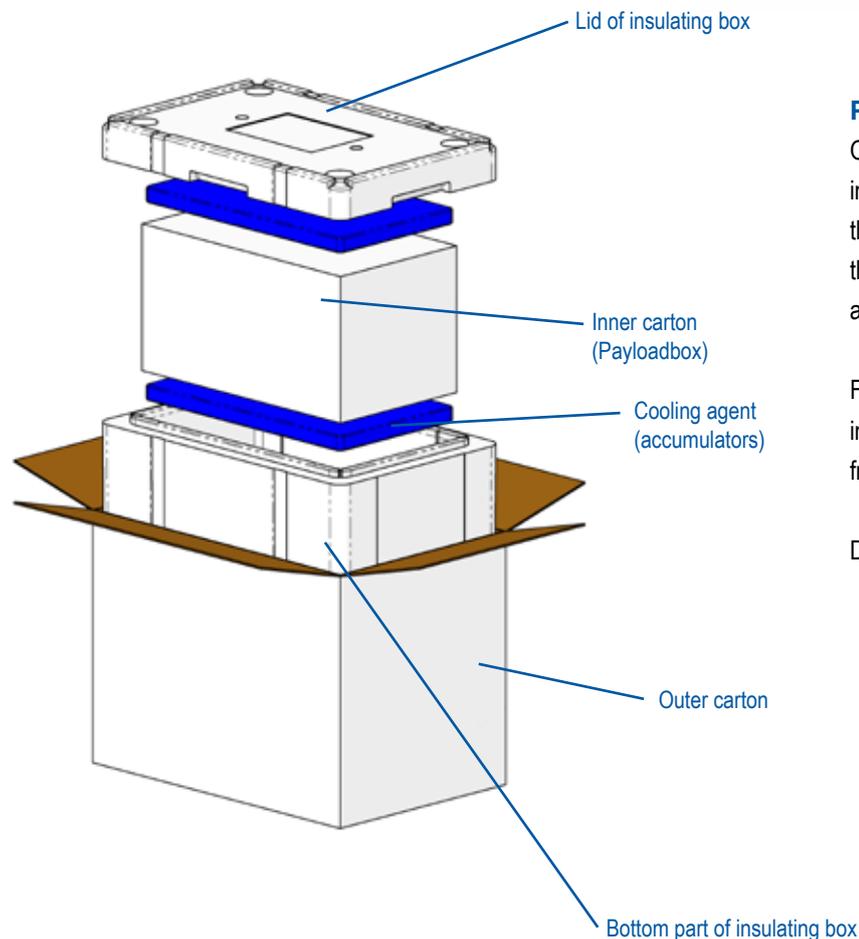


System box with 34 litres useable volume

The inside height of the version with 34 litres of usable volume is conveniently dimensioned at 250 mm. This can accommodate products which need to be transported in an upright position. The box is quickly equipped with just two real PCM-accumulators +22 for rapid completion of the packing process.

Product information

- External dimensions: 615 x 415 x 482 mm
- Inner carton dimensions: 478 x 276 x 250 mm
- Useable volume: 34 litres
- Cooling agent: 2 PCM-accumulators with 2.700 g each
- Total weight of packaging including all cooling agents and cardboard packaging: 8.400 g



Packing information

One accumulator is placed on the bottom of the insulating box, the second one is placed on the box. The lid of the insulating box is closed and the package finished for consignment with adhesive tape.

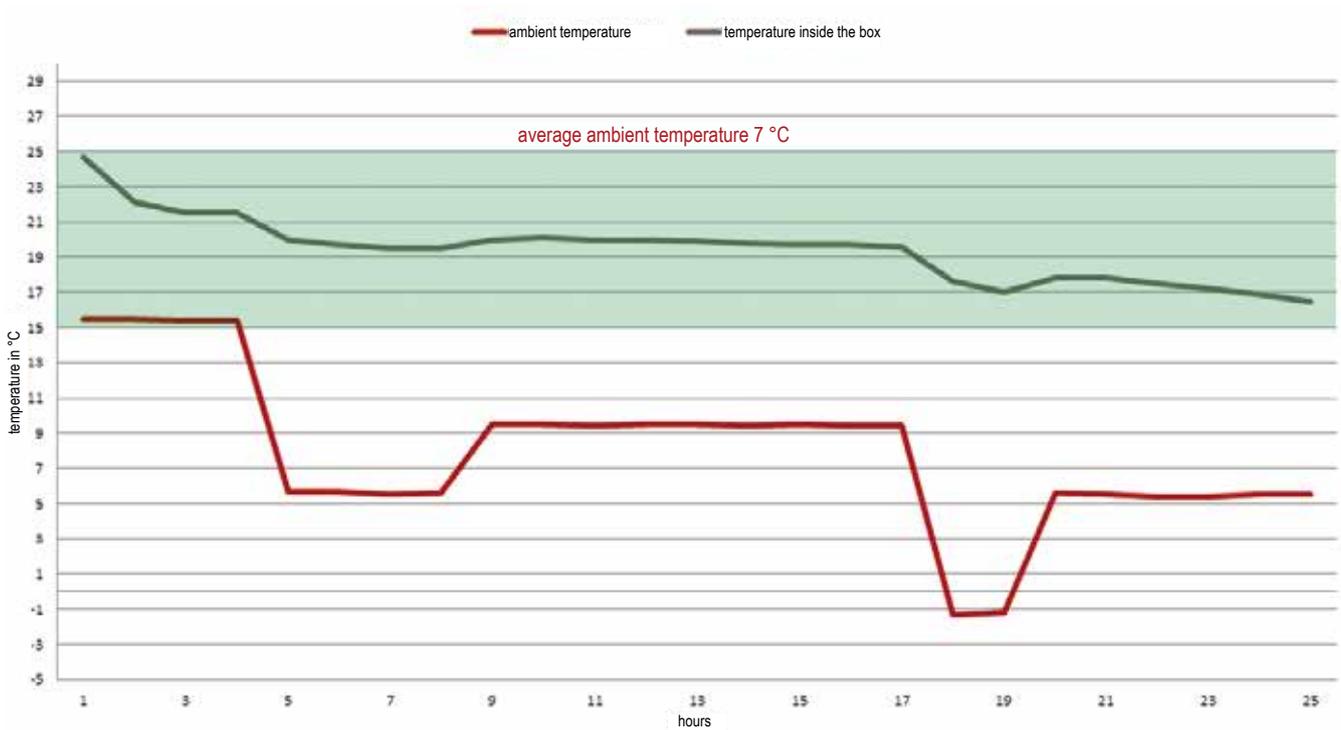
For an easier handling, the empty bottom part of the insulating box can be placed in the outer carton right from the start.

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
- 5.400 g of cooling agent in the form of real PCM-accumulators +22
- Empty packing space (worst case scenario) to be on the safe side

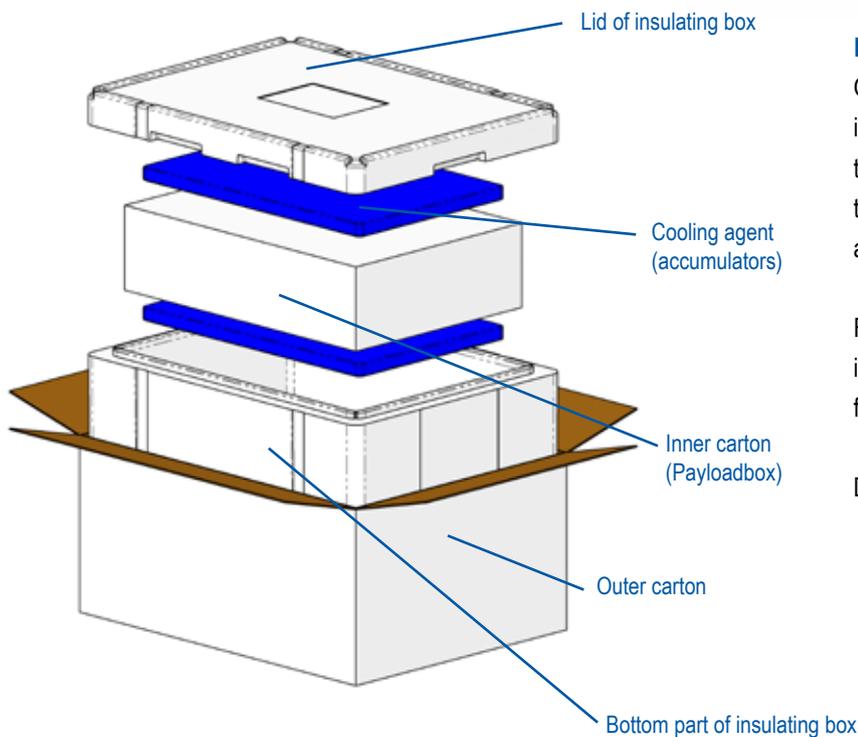


System box with 45 litres useable volume

The version with 45 litres of useable volume is the largest box in Storopack's 24-hour system solution range. Despite its size, an easy handling and rapid packing with just two real PCM-accumulators +22 is guaranteed.

Product information

- External dimensions: 769 x 589 x 387 mm
- Inner carton dimensions: 628 x 448 x 156 mm
- Useable volume: 45 litres
- Cooling agent: 2 PCM-accumulators with 4.580 g each
- Total weight of packaging including all cooling agents and cardboard packaging: 13.500 g



Packing information

One accumulator is placed on the bottom of the insulating box, the second one is placed on the box. The lid of the insulating box is closed and the package finished for consignment with adhesive tape.

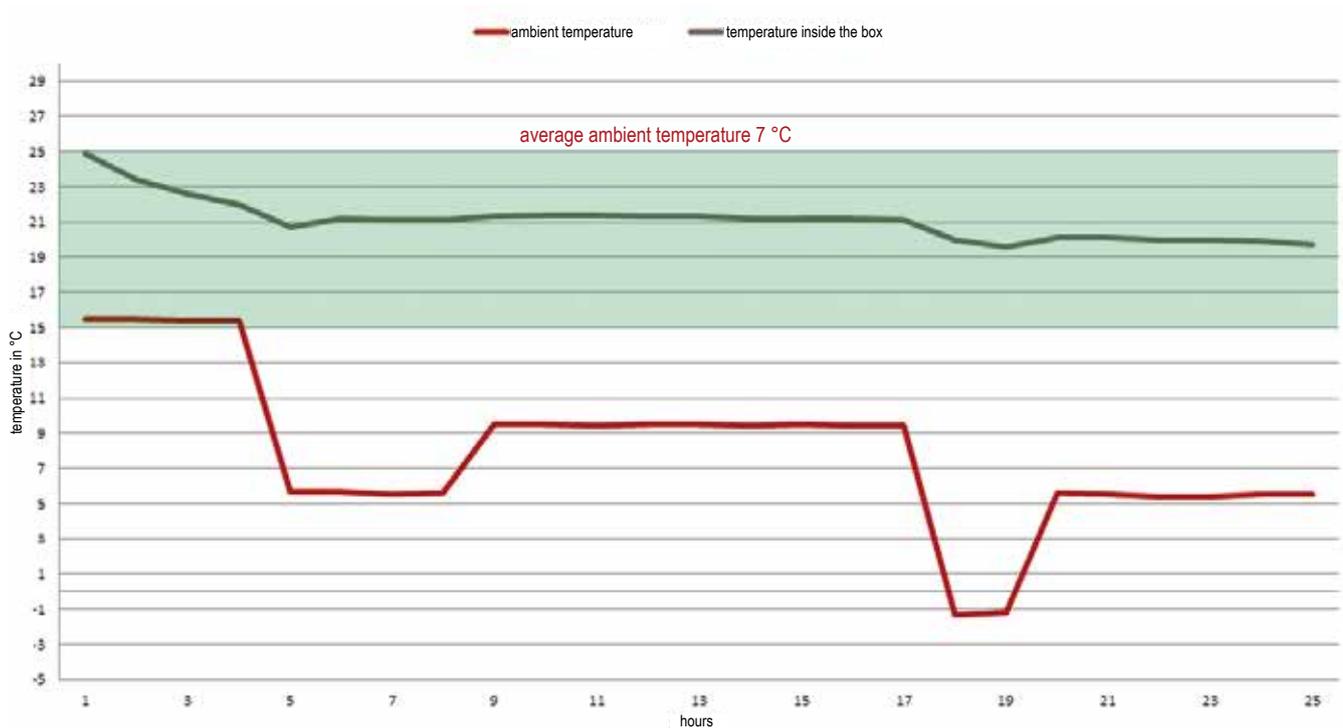
For an easier handling, the empty bottom part of the insulating box can be placed in the outer carton right from the start.

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
- 9.160 g of cooling agent in the form of real PCM-accumulators +22
- Empty packing space (worst case scenario) to be on the safe side





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