

# Product information

## ISO.strong (40 or 60 mm)



### 1. Product description

The ISO.strong segment curtain is part of the **temptec** family of insulating systems. These offer the greatest energy cost savings during loading and unloading, when work is interrupted and during the journey.

It is possible to set up different temperature ranges within a vehicle.

This means the space that is to be cooled can be adjusted flexibly to correspond with the loading volume.



Fig. 1: ISO.strong, 3-piece, closed, with handles to facilitate upwards pivoting, standard colour blue

The insulating systems also have an air exchange minimising effect.

The exchange of air between the interior and exterior is minimised. Therefore, less warm, moist air can enter; the icing up of the cooling aggregate is reduced and its efficiency is improved.

This leads to a significant reduction in energy costs. For the greater benefit of the quality of the goods, the interruption due to the de-icing of the cooling aggregate is markedly reduced.



Fig. 2: ISO.strong, with partition ventilator

### 2. Product features

The ISO.strong is an insulating curtain system made of material that is food-safe on both sides that can be moved sideways and is sealed at all sides. It is filled with a flexible 40 mm special insulation and is simply operated by hand.

The headrails run smoothly, can be locked easily and also be disengaged from the lock quickly. The segments are firmly connected to each other on the long edges with easy to use elastic bands when closed, optionally with magnets.

If requested, the product is also available in a model that can be moved backwards and forwards lengthwise to the end wall. This means the area that is to be cooled can be changed flexibly in length. The same applies to the driver's movement area during loading, cleaning and disinfecting.

The use of the ISO.strong with the lengthwise moveable facility enables the cooling chamber to be divided into different temperature ranges.

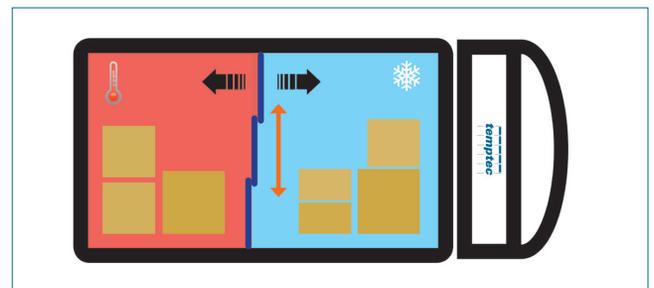


Fig. 3: Flexible reduced cooling space and separation of warm, soiled empty containers



Fig. 4: Flexible chambers with different temperatures

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Fig. 5: ISO.strong, pivoted upwards in the body



Fig. 6: ISO.strong, pivoted upwards in the body towards the front

If required, the ISO.strong can also be equipped with an upward pivot. This maximises the driver's freedom of movement. If the pivoting is within the body upwards under the roof - front or rear direction possible - the individual segments are held under the roof by a magnet holder.

On request, the system can be equipped with partition ventilators, return air guidance and adjustable priority switching for the chamber with the lowest temperature. This facilitates an automatic air regulation.

All versions can be assembled to the roof self-supporting between the side panels without reinforcement. Pre-assembled components facilitate quick and uncomplicated installation. Easy assembly and modification at a later date are also possible.



Fig. 7: ISO.strong, open two-thirds

### 3. Product versions

The following product versions are available:

- ISO.strong, 3-piece, moveable sideways to the left and to the right
- ISO.strong, 4-piece, moveable sideways to the left and to the right, as a special solution with 2 rails
- Customised solutions



Fig. 8: ISO.strong, moved towards the front, middle segment open

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### 4. Options

You can select from the following options:

- ISO.strong that can be moved backwards and forwards lengthwise to the end wall
- SO.strong that can be pivoted upward under the roof, including magnet holder
- ISO.strong with partition ventilators and return air guidance and priority circuit
- Curtain widths and heights that deviate from the standard measurements
- Segment curtain in white / other colours and with advertising (standard: blue)
- Segment connection to each other on the long edge with magnet instead of elastic band.

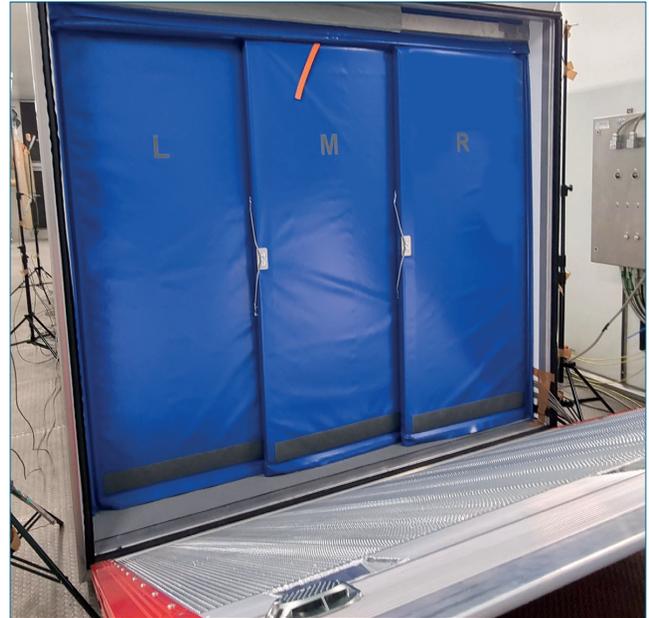


Fig. 9: ISO.strong, 60 mm, on the test bench for ATP suitability

### 5. Specifications

Range of temperature (inside)	up to -35 °C
Curtain width (standard)	2.45 m - 2.51 m
Curtain height (standard)	up to 2.50 m
Segment curtain thickness	approx. 42 mm
Segment curtain material	PVC sheet, both sides food-safe, high tear resistance due to fabric-reinforcement, highly resistant to cold temperatures, blue, with flexible ram protection at the bottom
Segment curtain filling material	flexible special insulation, 40 or 60 mm
Headrail, sheet, bearings, screws, bolts material	stainless steel V2A

Sliding rail material	steel plate, sendzimir galvanised
Installation height under roof	approx. 110 mm
Additional installation height under roof (with lengthwise moveable facility)	+ approx. 20 mm
Weight 3-piece	approx. 45 kg
Weight 1-piece (w: 0.75 - 0.85 m)	approx. 15 kg
Weight lengthwise moveable facility	+ approx. 12 kg
Weight longitudinal rail for lengthwise moveable facility, 1 pair, per m	+ approx. 4 kg / m
Weight facility for upward pivoting (3-piece)	+ approx. 12 kg
Weight partition ventilators with return air guidance	+ approx. 8 kg

### 6. General information

The *temptec* products are being continually developed. Adjustments to the technology, design and equipment by the manufacturer are reserved. No claims can be made based on the content of this document. Not all versions and details have been described.

Should you have any queries regarding the type, quality and function of the products, please contact *temptec* or one of their contractual partners. Please strictly observe the safety instructions in the relevant *temptec* installation and operating instructions.