



The **THERMOspeed® EVO2** high speed freezer door is characterised by its high thermal insulating properties.

The THERMOspeed® curtain is made of a specially formulated, lightweight and robust, closed-cell PE foam material.

Due to its exceptionally high insulation properties (**U-value = 0.9**), the THERMOspeed® substantially reduces energy costs and has proven to be a very cost effective and reliable solution for deep-freeze/cool room environments.

Extrusions for the integration of the door panels are made of composite materials.

THERMOspeed doors are designed and built to the highest German quality and standards.

KEY ADVANTAGES

- No icing up in freezer environments
- No requirement for air blowers
- Energy saving thermal insulation
- Modular door curtain
- Resilient to impact damage
- Low maintenance and repair costs
- Low risk of injury to personnel
- Can be installed inside freezer

Using intelligent and versatile electronic systems allows the seamless integration of EBS doors with third party conveyor systems and robotic production lines. They also provide flexibility for further implementation of future add-ons, such as sensors and signals...



TECHNICAL SPECIFICATIONS

- Thermal efficiency: U-value = 0.9
- Standard opening: 5 m x 6 m (Non Standard up to 13 m)
- Opening speed: Up to 2.8 metres per second
- Temperature range: -35°C to +95°C



EBS THERMAL PANELS

Chemically cross-linked, closed-cell, highly flexible and robust PE foam material.

- Thermal efficiency: U-value = 0.9
- Thickness: 30mm
- Thermal application range: From -35°C to +95°C
- Low flammability: Class B2 (DIN 4102)
- CFC-free
- Colour: Grey

Extrusions made of specially formulated composite material not only ensure a thermal break and allow the curtain to remain ice free, they also lend a balance of flexibility and rigidity. The door curtain is both rigid to resist drafts and negative pressures, and flexible to be pushed out of tracks to withstand the impact from a forklift collision.

DRIVE MOTOR

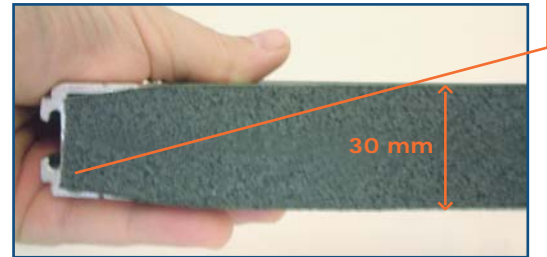
- Worm gear with fall protection (GfA Safedrive®)
- Plastic housing: IP54 (water spray)
- Engine brake moment: 8 Nm
- Required power: 0.75KW to 1.5KW
- Can be mounted on the right or left side of the door

DOOR CONTROL SYSTEM

For speed control, the high speed door is smoothly accelerated up to the maximum speed and then gently slowed down into the final position. Thus, motor forces do not cause excessive strain on the panels. This ensures smooth opening and closing actions and considerably increases its operational lifecycle.

- Opening and closing speeds: 0.75 to 2.8 m/s
- 24 volt microprocessor controlled with frequency converter
- Membrane keyboard (open-stop-close)
- Plastic or steel case IP 54 (optional)
- Emergency stop button
- Voltage requirements: 400V AC or 230V AC + - 10%, 50-60Hz

Thermal efficient EBS closed-cell PE material and flexible composite extrusion



THERMOspeed doors withstand the pressures of blast freezers and sustain thermal integrity.



A standard safety feature with EBS doors is the implementation of safety light curtains.



■ SAFETY:

- Stop-Go light signals
- Safety light curtains
- GfA Safeguard® fall protection
- Emergency chain haul

■ REQUIRED SPACE:

- Motor side 300mm
- Non motor side 150mm
- Space required above lintel: 700-800 mm

■ OPTIONS:

- Audio signals
- Viewing panel/window
- Remote control
- Stainless steel