

# Slider®

**GLACE-GUARD**  
Cold Storage Doors

## Your uncompromising sliding door!

The Glace-Guard™ Slider is the highest quality cold storage sliding door. It is robust and well insulated. The door, available in 3" (R-24) or 4" (R-32) thickness, is made of high quality metal skins and insulated with polyurethane foam. Its robust and durable hardware ensures smoothness of operation.

The Glace-Guard™ Slider can be operated manually or can be equipped with a high technology motor system with operation speed of up to 48" per second for biparting doors.

The Glace-Guard™ Slider is your best door investment when energy conservation and low maintenance costs are criteria of selection.

The Glace-Guard™ Slider is ideal for applications such as:

- Cold storage distribution warehouses
- Grocery distribution warehouses
- Food processing plants
- Pharmaceutical warehouses
- Heavy manufacturing industries



High speed sliding door with heat trace  
Model Slider IV (4" thick)

### Slider®/ Glace-Guard™

Slider III, Slider IV Series

Section 08 34 13 Cold Storage Doors

#### Well insulated:

3" (R-24) or 4" (R-32) door thickness with an insulated polyurethane foam core.

#### Heavy-duty hardware for long lasting use:

Double track system with trolley assembly mounted on solid tire rollers.

#### Built to last with superior quality materials:

Proven experience and expertise achieve a perfect adherence of the polyurethane foam to the metal skins, ensuring panel strength and rigidity and preservation of insulation value over time. The high quality 26 gauge galvanized steel with superior 25 microns polyester top coat, ensures durability and resistance to corrosion.

#### Designed for energy savings:

Superior airtight seal for the door frame and the door panels.

#### Motor (2 options available):

- 1) AC one-speed motor: worm gear motor, 1.5 second time reverse delay, safety pneumatic edge, 12" per second speed, options for power voltage.
- 2) DC variable frequency motor: state of the art soft-start soft-stop servomotor with speed up to 48" per second for opening, for biparting doors. Programmable obstruction sensing. LCD keypad display of system operation. Electronic programmable clutch.

#### Heat trace (optional):

For freezer applications, the door panel and frame are equipped with heat trace on four sides to prevent ice or frost accumulation and to avoid the need of a heated threshold.

**THERMOSTOP**  
Tradition of quality

Technical specifications

Section 08 34 13 Cold Storage Doors

**Reference product:**

Glace-Guard™ Slider III (3") or Glace-Guard™ Slider IV (4"), as manufactured by Thermostop Inc., www.thermostop.com

**Motor speed:**

(With biparting doors)  
48" (1219mm) per second

**Temperature range:**

- Cooler : 4°C & above / 38°F & above
- Freezer : -30°C to 2°C / -22°F to 36°F

**Size:**

Up to 14' 0" W. x 16' 0" H.  
(4267mm W. x 4877mm H.)

**Thickness and insulation value:**

- 3" (R-24) thick: Glace-Guard™ Slider III
- 4" (R-32) thick: Glace-Guard™ Slider IV

**Panels:**

Single or biparting, 3" (75mm) or 4" (100mm) thick panels, insulated with rigid polyurethane, foamed in place under high pressure between two metal skins. Standard 26ga. steel skins, white stucco finish. For other skins options, please consult **Metal skins options** presented further. The panel frame is made of U-shaped heavy-duty aluminum extrusions.

**Hardware:**

The hardware consists of a heavy-duty double track system and trolley assembly roller systems. The trolley assembly stabilizes the movements of the panels at high speed and is equipped with solid tire rollers to support an intensive usage. The track system is slanted from center to both ends to ensure a tight seal and to reduce seal wear. All components are made of aluminum or galvanized steel, or are zinc-coated for food applications.



Heavy-duty double track system combined with trolley assembly.

**Seals:**

High quality airtight compression seals on door frame and double bottom sweep seals.

**Face frame and back frame:**

Standard 1" thick extruded aluminum face frame, mill finish, to self support the door and hardware load. Optional back frame made with same material as face frame.

**Heat trace (optional):**

For freezer applications, the door frame and panels are equipped with a heat trace to prevent ice or frost accumulation.

**Glazing (optional):**

Sealed glass or acrylic glass  
12" x 24" (305mm x 610mm) windows



**Kick plate (optional):**

24" (610mm) high steel kick plate to protect the door bottom against forklift impacts.

- 1/16" thick aluminum checker plate
- 1/8" thick aluminum checker plate

**Metal skins options:**

Steel	Finish
26ga. (0.41mm)	stucco, white
20ga. (0.86mm)	smooth, white
Aluminum	Finish
24ga. (0.60mm)	stucco, white

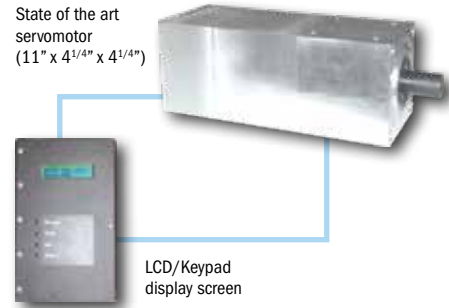
**AC one-speed motor (optional):**

- worm gear motor
- 1.5 second time delay before direction reversing
- safety pneumatic edge
- 12" per second on opening and closing
- 15 cycles maximum per hour
- options for 115V, 230V, 460V or 600V
- motor size: 10" W. x 13" H. x 11" depth



**DC variable frequency motor (optional):**

State of the art servomotor (11" x 4 1/4" x 4 1/4")



- High speed operation: up to 48" (1220mm) per second at opening, for a bi-parting door
- Brushless servomotor
- Closed loop control system to ensure accurate motion profile with changing loads
- Selectable input voltage, single or three phase: 115, 208, 230, 460 or 575 VAC
- Programmable obstruction sensing
- Cycle counter
- LCD/Keypad display of system operation
- Electronic programmable clutch
- Electronic door lock protection
- Corrosion-resistant



Single panel sliding door  
Model Slider III (3" thick)



Tradition of quality

3775 Losch Blvd.  
Longueuil (Quebec)  
Canada  
J3Y 5T7

**Phone: 450.678.8666**  
Toll free: 866.678.0123  
Fax: 450.678.7765  
**thermostop.com**

**Warranty**

Thermostop doors and hardware carry a warranty of one (1) year against any defects or faulty workmanship. The door panels carry a ten (10) year limited warranty against perforation due to rusting, under normal operational conditions.

