



ISO 9001 : 2000



Section 08326

THERMOSTOP INC., 3775 Losch, Longueuil, Québec, Canada, J3Y 5T7, Tél. : (450) 678-8666, Fax. : (450) 678-7765

**STANDARD SPECIFICATIONS  
GLACE-GUARD™ SLIDER  
Section 08326: Cold Storage Doors**

**PART 1 – GENERAL**

**1.1 Works by others :**

- Metal fabrication, section 05500
- Electrical power supply, division 16
- Structural work, division 5

**1.2 Construction requirements :**

- Design doors to withstand wind load of 21 psf (velocity of 90.5 miles/hour) with a maximum horizontal deflection of 1/120 of opening width
- Design doors to withstand a temperature range of -20°F to +120°F (-29°C to +49°C)

**1.3 Shop drawing:** Supply shop drawings in accordance with plans and specifications for approval. Contractor shall be responsible for job site dimensions before fabrication and co-ordination with others sub-trades.

**1.4 Maintenance instructions:** Supply maintenance instructions for hardware and/or others components in accordance section 01300.

**1.5 Warranty:** The Glace-Guard Slider door and hardware carry a warranty of one (1) year against any defect or faulty workmanship.

**PART 2 - PRODUCT**

**2.1 Material :**

- Pre-painted galvanised G-60 metal sheet conform to ASTM A653
- Commercial pre-painted aluminum sheet 3105 H254
- Commercial aluminum extrusions 6063 T5
- Insulation: foamed in place polyurethane, 2.56 lbs/ft<sup>3</sup> (41.0 kg/m<sup>3</sup>) minimum density, conform to CGSB 51-GP-21M.

**2.2 Reference product :** Glace-Guard™ Slider III (3”), Glace-Guard™ Slider IV (4”), as manufactured by THERMOSTOP INC., 3775 Losch boulevard, Longueuil, (Québec), Canada, Tel.: 450-678-8666, Fax: 450-678-7765, www.thermostop.com

**2.3 Dimensions and clearances :**

<u>Quantity</u>	<u>Dimensions</u>	<u>Side clearances</u>
	(height x length)	

**2.4 Temperature range:** -20° F to +120° F (-29° C to +49°C) for typical applications of  
Cooler: 35 °F @ 40 °F / 2°C @ 5°C  
Freezer: -20 °F @ 32 °F / -29°C @ 0°C

**2.5 Size:**

Up to 14’0” W. X 16’0” H. (4267mm W. X 4877mm H.)



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**2.6 Thickness:**

- 3" (75mm) thick : Glace-Guard™ Slider III
- 4" (100mm) thick: Glace-Guard™ Slider IV

**2.7 Panel manufacturing process:** The inner core consists of rigid polyurethane, foamed in place under high pressure between two metal skins. To avoid mouldiness, no wood material is used in the construction of the panel.

**2.8 Insulation:** CFC-free rigid foamed-in-place polyurethane. 2.56 lbs/ft<sup>3</sup> (41.0 kg/m<sup>3</sup>) minimum density . Insulation value is equal to R-8 per inch (25,4mm) thickness of insulated panel, R-24 for a 3" (76 mm) thick insulated panel and R-32 for a 4" (102 mm) thick insulated panel.

**2.9 Metal skins and finish:**

Standard 26ga. steel skins, white stucco finish. White.

**Optional:**

Steel skins: 20ga. and 16ga. For more details and information, see brochure **Glace-Guard Slider**.

Aluminum skins:24ga. and 16ga. For more details and information, see brochure **Glace-Guard Slider**.

**2.10 Single or biparting :** Door can be single or bi-parting. Door panel framing is made of U-shaped heavy-duty aluminum extrusions.

**2.11 Face frame and back frame (optional):** Vertical and horizontal face frame and/or back frame made of 3/4" water-resistant plywood in double layer, clad with white galvanized steel.

**2.12 Heat trace (optional):** For freezer applications, the door frame and panels are equipped with a heat trace to prevent ice or frost accumulation and to avoid the need of a heated threshold.

**2.13 Kick plate (optional):** 24" (610mm) high steel kick plate to protect the door bottom against forklift impacts, made of 1/8" thick aluminum checker plate.

**2.14 Window (optional):** Sealed glass or acrylic glass 12" x 24" (305mm x 610mm) windows. Optional heated sealed glass for freezer application.

**2.15 Seals:** High quality airtight flexible PVC seal for the door frame and the door panels.

**2.16 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.

**2.17 Motor (optional):**

- Brushless servomotor
- High speed operation: up to 48" (1220mm) per second at opening, 24" (610mm) per second at closing
- Dimensions: 11" x 41/4" x 41/4"
- Closed loop control system to ensure accurate motion profile with changing loads
- Selectable input voltage, single or three phase: 115, 208, 230, 460 or 575V AC
- Programmable obstruction sensing



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- Cycle counter
- LCD/Keypad display of system operation
- Electronic programmable clutch
- Electronic door lock protection
- Corrosion-resistant

### **PART 3 - INSTALLATION**

- 3.1** Ensure the sliding door is level and square. Install door and others components as per manufacturer's instructions and building code.
- 3.2** Co-ordinate receiving goods on site. The installer provides proper equipment and labour to receive the materials on site.
- 3.3** Work will be done by approved and licensed installer.
- 3.4** Keep site clean and remove all unnecessary materials as the work progresses.
- 3.5** Correct deficiencies diligently as requested by site supervisor.