

# AL-2000®



## *The most attractive heavy-duty aluminum door!*

The Thermostop™ AL-2000 door is robust, durable and yet pleasantly attractive. It is your definite solution for applications requiring natural daylight and clear visibility, with durability and performance as criteria of selection. Since 1990, the AL-2000 doors have been appreciated and widely used for applications such as:

- Airplane hangar
- Bus terminal
- Car dealership
- Car wash
- Farm and stable
- General warehouse
- Hospital
- Fire hall
- Service station



Model AL-2000, type A2

### AL-2000® / Thermostop™

Type A, Type B Series

Section 08 34 19 Industrial Doors

#### Built to last:

Its 2" (50mm) thickness makes it more robust than the common 1-3/4" (45mm) thick doors, and minimizes deflection problems.

#### Designed for energy savings:

A tongue-and-groove joint with foam weather seal minimizes cold air penetration and heat loss. It also offers superior airtightness, due to its depth, compared to the flat-type joint or the ship-lap joint commonly offered by other manufacturers.

#### Superior construction:

Made of closed tubular heavy-duty aluminum extrusions, reinforced with integral fins and aluminum T-struts when required. Fully compatible with any Mark II polyurethane insulated section.

#### A variety of options offered:

Grouped into two categories, A and B, the AL-2000 doors offer multiple options on door finish, glazing and paneling to accommodate your requirements.



Model AL-2000, type A2

**General options**

The AL-2000 doors are offered with a variety of glazing and paneling options. Standard clear anodized finish for aluminum extrusions and 16 gauge aluminum paneled sections. Optional anodized color, as well as optional shop painted color or powder-coated color.

**Glazing options**

Glazing sealed with watertight closed-cell foam tape and securely retained in place with a rigid vinyl snap-on moulding.

- 1/8" (3mm) single glass
- 5/8" (16mm) sealed glass
- Tinted glass
- Tempered glass
- Polished wire glass
- Low-E glass
- SDP-16 polycarbonate



Thermo glass    Single glass    SDP-16 Polycarbonate

**Finish**

*Standard*

Clear anodized

*Optional anodized color*

Champagne

Light bronze

Dark bronze

Black

*Optional painted color*

Chemically treated for adherence, then painted with one coat of primer, followed by one coat of finish paint. Powder coating is also available. Color from the SICO and RAL color chart.



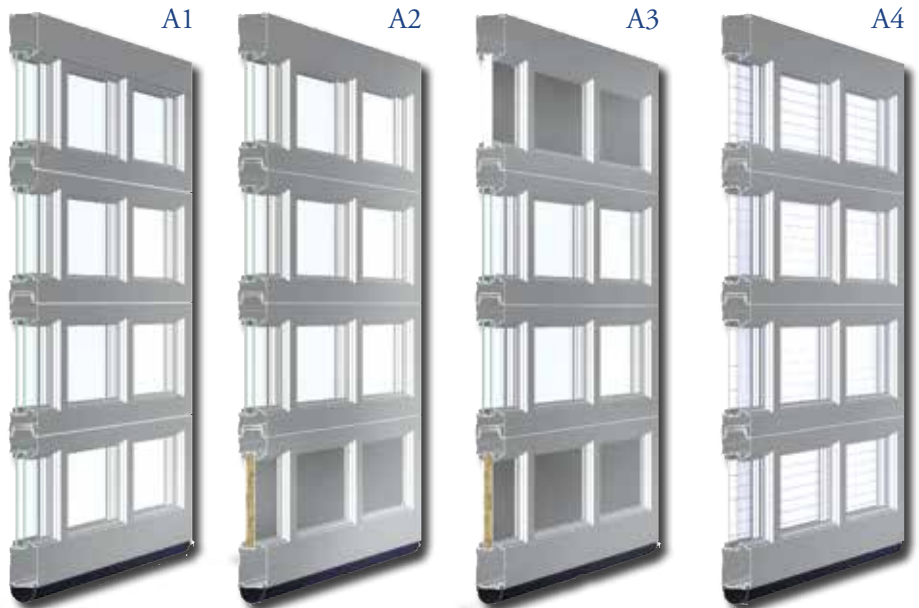
**Type A** Combinations of glazed sections and 16 gauge aluminum paneled sections

**Aluminum paneled sections**

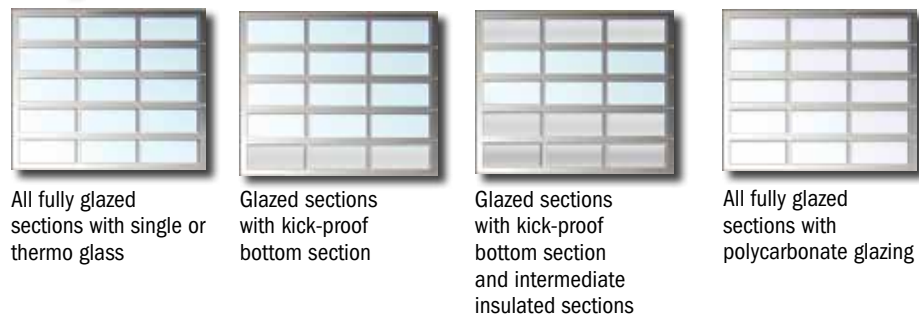
16ga. (1.30mm) thick aluminum panels, smooth clear anodized finish, set in U-shaped vinyl gaskets and securely retained in place with a rigid snap-on moulding.



Single panel    5/8" (16mm) Kick-proof    5/8" (16mm) Polystyrene insulated



Model AL-2000, type A2



All fully glazed sections with single or thermo glass    Glazed sections with kick-proof bottom section    Glazed sections with kick-proof bottom section and intermediate insulated sections    All fully glazed sections with polycarbonate glazing

**Reinforcement**

When required, the horizontal members are adequately reinforced with integral reinforcing fins and aluminum T-struts. No steel reinforcing struts are permitted.

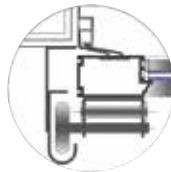


Aluminum T-strut



Built-in fin on a female rail

**Weather seal**



Plan view details



Perimeter weather seal



Bottom weather seal

**Pedestrian door (optional)**



Standard 34" (W.) x 78" (H.)

**Exhaust (optional)**



4" (100mm) aluminum exhaust port located at the bottom section, factory installed.

**Type B** Combinations of glazed sections and Mark II polyurethane insulated sections



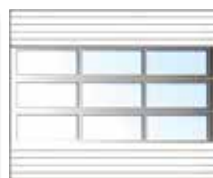
**Mark II polyurethane insulated sections**



<b>Mark II-266</b> 26ga. steel or <b>Mark II-244A</b> 24ga. aluminum White Stucco finish (type B1-B2)	<b>Mark II-244A</b> 24ga. aluminum Grey RAL-9006 Stucco finish (type B1-B3)	<b>Mark II-166A</b> 16ga. aluminum Clear anodized Smooth finish (type B1-B4)
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Glazed sections with 26ga. steel, 24ga. aluminum or 16ga. aluminum polyurethane insulated bottom section



Glazed sections with 26ga. steel polyurethane insulated top and bottom sections



Glazed sections with 24ga. aluminum polyurethane insulated top and bottom sections



Glazed sections with 16ga. aluminum polyurethane insulated top and bottom sections



Model AL-2000, type B2



**Technical specifications**

**Wind load design criteria:**

Doors to withstand a wind load of 1 kPa (velocity of 145 km/hour) with a maximum horizontal deflection of 1/120 of opening width.

**Reference product:**

Thermostop™ AL-2000, type A1, A2, A3 or A4, or type B1, B2, B3 or B4, as manufactured by Thermostop Inc., [www.thermostop.com](http://www.thermostop.com)

**Manufacturing process:**

All tubular extrusions assembled using full length through bolts. Welding is not permitted in any part of the process.

**Joint and seal:**

Door sections have an authentic tongue-and-groove joint. The horizontal seal between the sections are of foam rubber type.

**Thickness:**

2" (50mm) thick.

**Glazing:**

Glazing sealed with watertight closed-cell foam tape and securely retained in place with a rigid vinyl snap-on moulding. See *Glazing options*, page 2.

**Solid sections:**

- AL-2000, type A1, A2, A3 or A4: See *Aluminum paneled sections*, page 2.
- AL-2000, type B1, B2, B3 or B4: See *Mark II polyurethane insulated sections*, page 3.

**Reinforcement:**

When required, the horizontal members are adequately reinforced. For details, see *Reinforcement*, page 3.

**Finish:**

Standard clear anodized finish for aluminum extrusions and 16ga. aluminum paneled sections. For other options, see *Finish*, page 2.

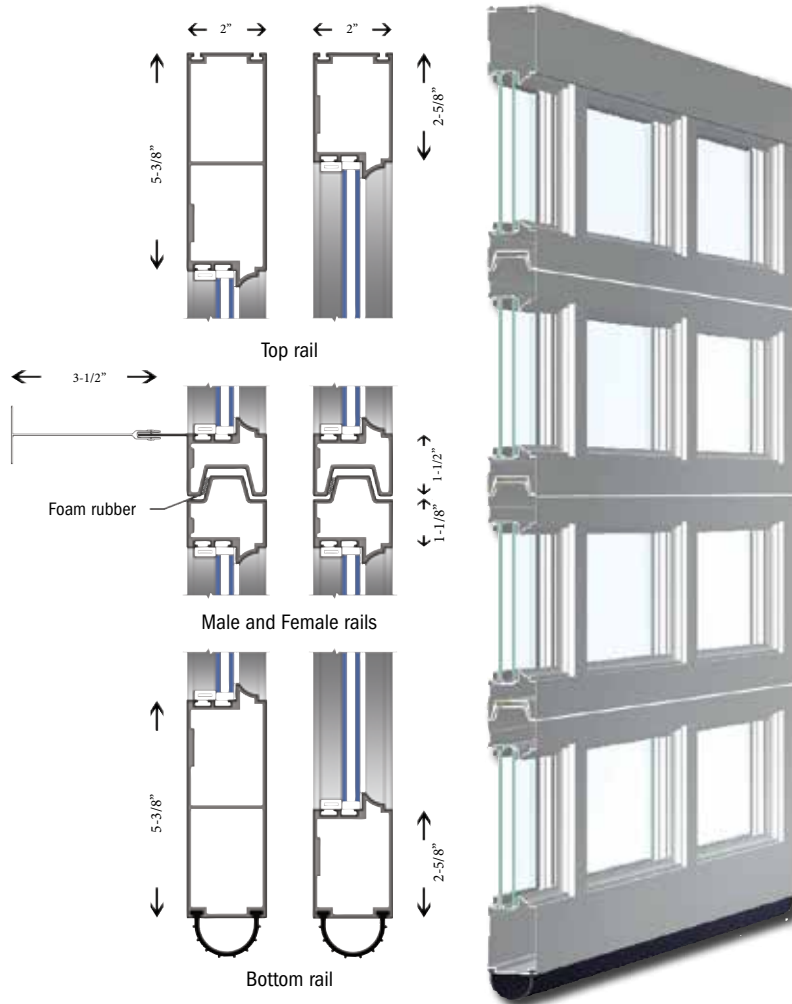
**Hardware and electric operators:**

Recommended models for doors with 1/8" (3mm) single glass glazed sections.

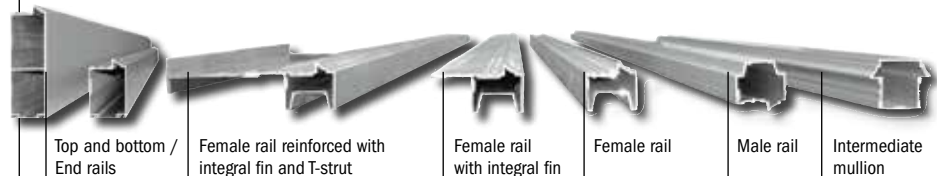
- Up to 12'0" (W.) x 12'0" (H.): Hardware model 50-T with electric motor XTRA-LH or XTRA-LT
- Up to 16'0" (W.) x 16'0" (H.): Hardware model 80-T with electric motor XTRA-H

More than 16'0" (W.) x 16'0" (H.): Consult with Thermostop Inc.

**Note:** For more information, please consult the *Hardware - Thermostop Industrial Doors* and the *Operators - Thermostop Industrial Doors* brochures.



**Aluminum extrusions:**



Tradition of quality

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 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, and a five (5) year limited warranty on delamination, under normal operational conditions.

