

# BulletStop®

**THERMOSTOP**  
Ballistic Doors

## The ballistic vertical door!

BulletStop® is a bullet resistant sectional door for your maximum security applications :

- Underwriters Laboratory UL 752 certification (Standard for Bullet-Resisting Equipment)
  - UL Level 1 : protection against medium power small arms (9mm Parabellum/ Luger)
  - UL Level 2 : protection against high power small arms (.357 Magnum revolver)
  - UL Level 3 : protection against super power small arms (.44 Magnum revolver)
  - UL Level 4 : protection against high power rifle attack (30-06 rifle)
  - UL Level 5 : protection against military assault weapons using 7.62 NATO ammunitions (1 shot test)
  - UL Level 6 : protection against medium power small arms using 9mm Parabellum ammunitions (5 shots test)
  - UL Level 7 : protection against military assault weapons using 5.56 NATO ammunitions (5 shots test)
  - UL Level 8 : protection against military assault weapons using 7.62 NATO ammunitions (5 shots test)
- Protection for military, diplomatic, institutional and corporate high security facilities
- Bullet resistant steel door with heavy duty hardware
- Smooth finish. Custom paint with choice of color from the RAL color chart
- Recommended when headroom is available. Options of vertical lift, high lift or standard lift track configuration
- Power operation with activation and safety accessories



**PART 1 - GENERAL****1.1 Works by others :**

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

**1.2 Design criteria :**

Design doors with Level 1, 2, 3, 4, 5, 6, 7 or 8 rating (please consult factory for your required level rating) as per Underwriters Laboratory UL 752 Standard for Bullet-Resisting Equipment.

**1.3 Shop drawings :**

Supply shop drawings in accordance with plans and specifications for approval. Contractor shall be responsible for job site dimensions before manufacturing and coordination with other sub-trades.

**1.4 Maintenance instructions :**

Supply maintenance instructions for hardware and/or other components in accordance with section 01300.

**1.5 Warranty :**

BulletStop® ballistic doors carry a warranty of one (1) year against any defects or faulty workmanship.

**PART 2 - PRODUCT****2.1 Materials :**

- Bullet resistant ballistic material
- Commercial galvanized G-90 steel conforming to ASTM A6533
- Commercial aluminum extrusions 6063 T5
- Insulation: foamed-in-place polyurethane, 2.56 lb/ft<sup>3</sup> (41.0 kg/m<sup>3</sup>) minimum density, conforming to CGSB 51-GP-21M

**2.2 Reference product :**

BulletStop® UL 752 Level 1, 2, 3, 4, 5, 6, 7 or 8 (please consult factory for your required level rating), as manufactured by THERMOSTOP INC., 3775 Losch Blvd., Longueuil, Quebec, Canada J3Y 5T7  
Tel.: 450-678-8666 Fax: 450-678-7765  
www.thermostop.com

**2.3 Ballistic standard :**

Underwriters Laboratory UL 752 Standard for Bullet-Resisting Equipment Level 1, 2, 3, 4, 5, 6, 7 or 8 (please consult factory for your required level rating).

**2.4 Thickness :**

4" (100 mm) thick.

**2.5 Panel manufacturing process :**

The inner core consists of bullet resistant ballistic material as per UL 752 requested rating and rigid polyurethane, foamed-in-place under high pressure between two 16ga. steel exterior and interior skins.

**2.6 Insulation :**

CFC-free rigid foamed-in-place polyurethane. 2.56 lb/ft<sup>3</sup> (41.0 kg/m<sup>3</sup>) minimum density.

**2.7 Metal skins and finish :**

16ga. steel exterior & interior skins. Smooth finish. Custom paint with choice of color from the RAL color chart.

**2.8 Joint and seal :**

High quality galvanized steel skins roll-formed into an exclusive tongue-and-groove joint with a true thermal break of 2¾" (68 mm) and a double bubble-shaped seal.

**2.9 Bullet resistant seam protection :**

UL 752 Level 2 through 8 doors are equipped with bullet resistant seam protection plates as per UL 752 requested rating.

**2.10 Perimeter gasket system :**

Triple-lip, flexible PVC gasket seal, retained in an extra robust extruded aluminum retainer.

**2.11 Bottom gasket seal :**

Double U-shaped, flexible PVC gasket seal, retained in a heavy duty extruded aluminum retainer, securely fastened to the bottom of the door.

**2.12 End caps :**

Sections are equipped with 16ga. (1.42 mm) thick galvanized steel end caps.

**PART 3 - HARDWARE**

3" industrial hardware, model 80-THD. Options of Standard Lift, Hi-Lift or Full Vertical Lift tracks.

**PART 4 - ELECTRICAL OPERATOR AND ACCESSORIES**

The door will be equipped with an electric operator.

**4.1 Electric operator :**

Side mounted "Jackshaft" motor, model XTRA-GH (Gear Worm motor).

For electric accessories and their corresponding options such as push button control stations, radio controls, magnetic loop detector, motion detector, safety edge, utility switch, time delay, closing timer, etc., please consult the **Operators - Thermostop Industrial Doors brochure**.

**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.

