

SoundEntry®



The acoustic entrance door!

The SoundEntry® is a secure sound-damping entrance door with superior insulation:

- Sound Transmission Class (STC) 40
- Testing of acoustic doors complies with recognized industry standards
- Extra robust 16ga. steel skins
- Smooth galvanized finish
- Superior insulation value with acoustic material and polyurethane foam core
- Recommended when both headroom and side room are a constraint
- Manual operation



PART 1 – GENERAL

1.1 Design Criteria:

Design doors with STC 40 (Sound Transmission Class) as per ASTM E-413 standard (Classification for Rating Sound Insulation).

1.2 Shop drawings:

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

1.3 Maintenance instructions:

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

1.4 Warranty:

SoundEntry® acoustic doors carry a warranty of one (1) year against any defect or faulty workmanship.

PART 2 - PRODUCT

2.1 Materials:

- Commercial galvanized G-90 steel to ASTM A653
- Commercial aluminium extrusions 6063 T5
- Acoustic material
- Insulation: foamed-in-place polyurethane, 2.56 lbs/ft³ (41.0 kg/m³) minimum density, conform to CGSB 51-GP-21M

2.2 Product:

SoundEntry®, 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 Sound Transmission Class (STC) 40

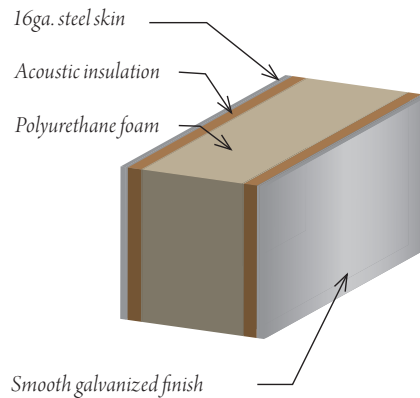
In accordance with ASTM E-413 (Classification for Rating Sound Insulation)

2.4 Thickness:

4" (100 mm) thick.w

2.5 Panel manufacturing process:

The inner core consists of rigid polyurethane, foamed-in-place under high pressure between two 16ga. steel skins and acoustic material.



2.6 Insulation:

CFC-free rigid foamed-in-place polyurethane. 2.56 lbs/ft³ (41.0 kg/m³) minimum density.

2.7 Metal skins and finish:

16ga. steel skins. **Galvanized finish.**

2.8 Hinges:

Self-closing and reversible high pressure die-cast zinc hinges with self-lubricating nylon cams ensure smooth, trouble-free door operation as well as the firm closing of the door with minimum effort. Brushed chrome finish.

2.9 Pull handle:

High pressure die-cast zinc cylinder locking handle, complete with emergency inside release system. Brushed chrome finish.

2.10 Mechanical door closer:

Heavy gauge steel mechanical door closer, complete with extra-wide hook. Chrome finish.

2.11 Perimeter magnetic gasket:

A full 4-side perimeter magnetic vinyl gasket insures the door is completely sound-proof on the perimeter joint.



Magnetic vinyl gasket

2.12 Door frame:

Entrance door frame is made shock-proof 5/32" (4 mm) exterior and interior extruded aluminium angles.



Shock-proof aluminum angle

THERMOSTOP
Tradition of quality

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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.

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