

SoundSentry STC 34



The acoustic vertical door!

The SoundSentry STC 34 is a secure sound-damping door with superior insulation

- Sound Transmission Class (STC) 34
- Testing of acoustic doors complies with recognized industry standards
- Extra robust 20ga. steel skins
- Smooth finish with ribs. Standard white. Option (extra) of custom paint with choice of color from the RAL color chart
- Superior thermal insulation performance with polyurethane foam core
- Recommended when headroom is available. Options of vertical lift, high lift or standard lift track configuration
- Optional electric operation with activation and safety accessories



GENERAL

Works by others:

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

Design criteria:

Design doors with STC 34 (Sound Transmission Class) as per ASTM E-413 standard (Classification for Rating Sound Insulation).

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.

Maintenance instructions:

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

Warranty:

SoundSentry STC 34 acoustic doors carry a warranty of one (1) year against any defects or faulty workmanship.

PRODUCT

Materials:

- Commercial galvanized G-60 steel conforming to ASTM A653
- Commercial aluminum extrusions 6063 T5
- Insulation: foamed-in-place polyurethane, 2.56 lb/ft³ (41.0 kg/m³) minimum density, conforming to CGSB 51-GP-21M

Reference product:

SoundSentry STC 34, as manufactured by THERMOSTOP INC., 3775 Losch Blvd., Longueuil, Quebec, Canada J3Y 5T7
Tel.: 450-678-8666 - Fax: 450-678-7765
www.thermostop.com

Sound Transmission Class (STC) 34

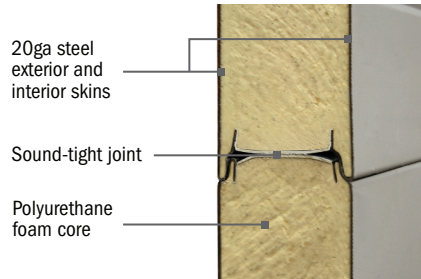
In accordance with ASTM E-413 (Classification for Rating Sound Insulation)

Thickness:

4" (100 mm) thick

Panel manufacturing process:

The inner core consists of rigid polyurethane, foamed-in-place under high pressure between two 20ga. steel skins.



Insulation:

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

Metal skins and finish:

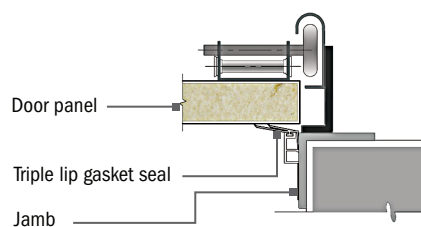
20ga. steel skins. Smooth finish with ribs. Standard white. Option (extra) of custom paint with choice of color from the RAL color chart.

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.

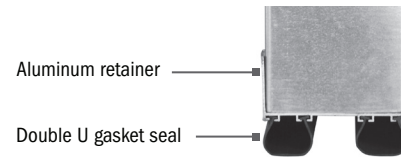
Perimeter gasket system:

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



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.



End caps:

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

HARDWARE

3" industrial hardware, model 80-T.

ELECTRICAL OPERATOR AND ACCESSORIES

The door will be equipped to be operated either:

- manually with a handle and a pull chain
- manually with a chain hoist, recommended for doors over 12' (W) x 12' (H)
- or with an electric operator

Electric operator:

Side mounted "Jackshaft" motor, model XTRA-HHD.

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.



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.

