

SoundSentry STC 47



The acoustic vertical door!

The SoundSentry STC 47 is a secure sound-damping door with superior insulation

- Sound Transmission Class (STC) 47
- Testing of acoustic doors complies with recognized industry standards
- Extra robust 16ga. steel skins
- Smooth finish. Custom paint with choice of color from the RAL color chart
- Superior thermal insulation performance (R-32) 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 47 (Sound Transmission Class) as per ASTM E-413 standard (Classification for Rating Sound Insulation).

Warranty:

SoundSentry STC 47 acoustic doors carry a warranty of one (1) year against any defects or faulty workmanship.

PRODUCT

Materials:

- Commercial galvanized G-90 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:

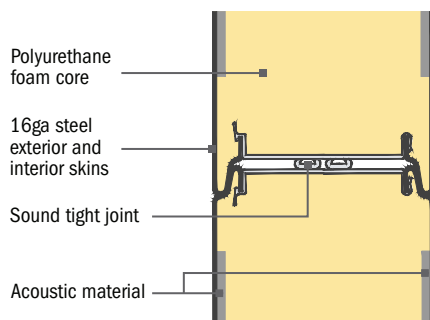
SoundSentry STC 47, as manufactured by THERMOSTOP INC., 3775 Losch Blvd., Longueuil, Quebec, Canada J3Y 5T7
Tel.: 450-678-8666 - Fax: 450-678-7765
www.thermostop.com

Sound Transmission Class (STC) 47:

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

Panel construction and insulation:

The inner core consists of sound dampening acoustic material and rigid polyurethane, foamed-in-place under high pressure between two 16ga. steel skins. 2.56 lb/ft³ (41.0 kg/m³) minimum density.



Metal skins and finish:

16ga. steel skins. Smooth finish with ribs. Standard white. Option (extra) of custom paint with choice of color from the RAL color chart.

Door thickness and insulation value:

4" (100mm) thick. Insulation value is R-32.

Joint and seal:

Sound-tight tongue-and-groove joint with a double bubble-shaped seal.

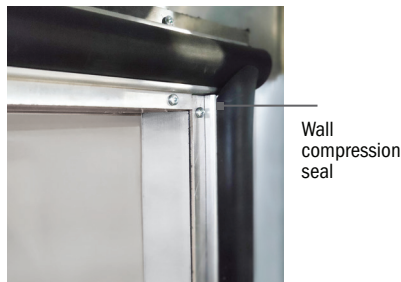
External perimeter gasket system:

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



Internal wall compression seal:

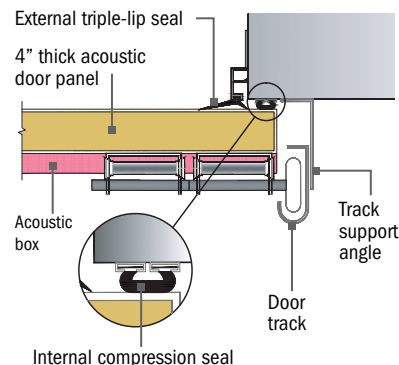
Heavy-duty wall compression seal ensures sound tight perimeter soundproofing.



End caps:

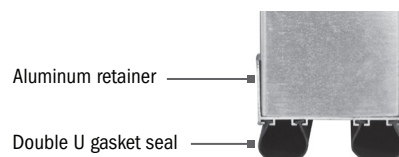
Sections are equipped with 16ga. (1.42 mm) thick galvanized steel end caps.

Perimeter soundproofing:



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.



HARDWARE

3" industrial hardware, model 80-T.

ELECTRICAL OPERATOR AND ACCESSORIES

The door will be equipped with an electric operator.

Electric operator:

Side mounted "Jackshaft" motor, model XTRA-HHD or XTRA-GHC, as per design criteria.

For electric accessories, please consult **Operators - Thermostop Industrial Doors** brochure.



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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.

