



SOUNDPROOFING PERFORMANCE

For sound control



Litho Canada Image de Mark inc. P03480-1107



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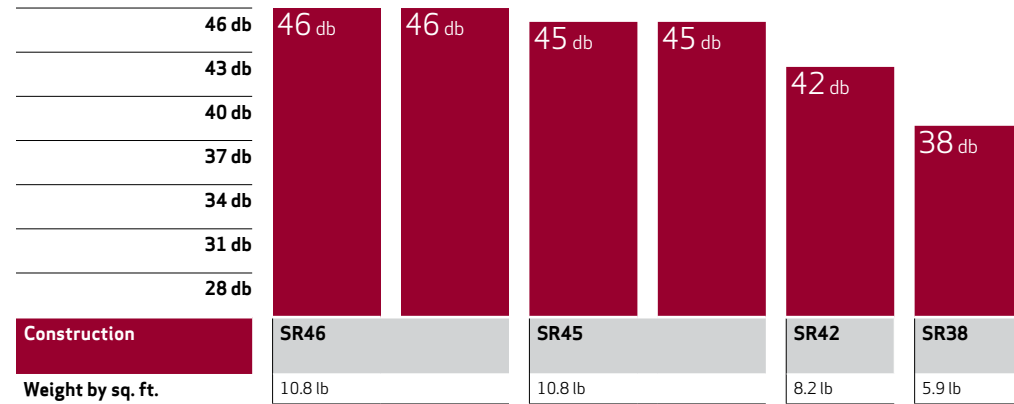
Below are the construction details of an acoustic door with composite core for STC applications. These specifications must be followed as closely as possible to ensure maximum acoustic performance.



Baillargeon
Wood Door Manufacturer

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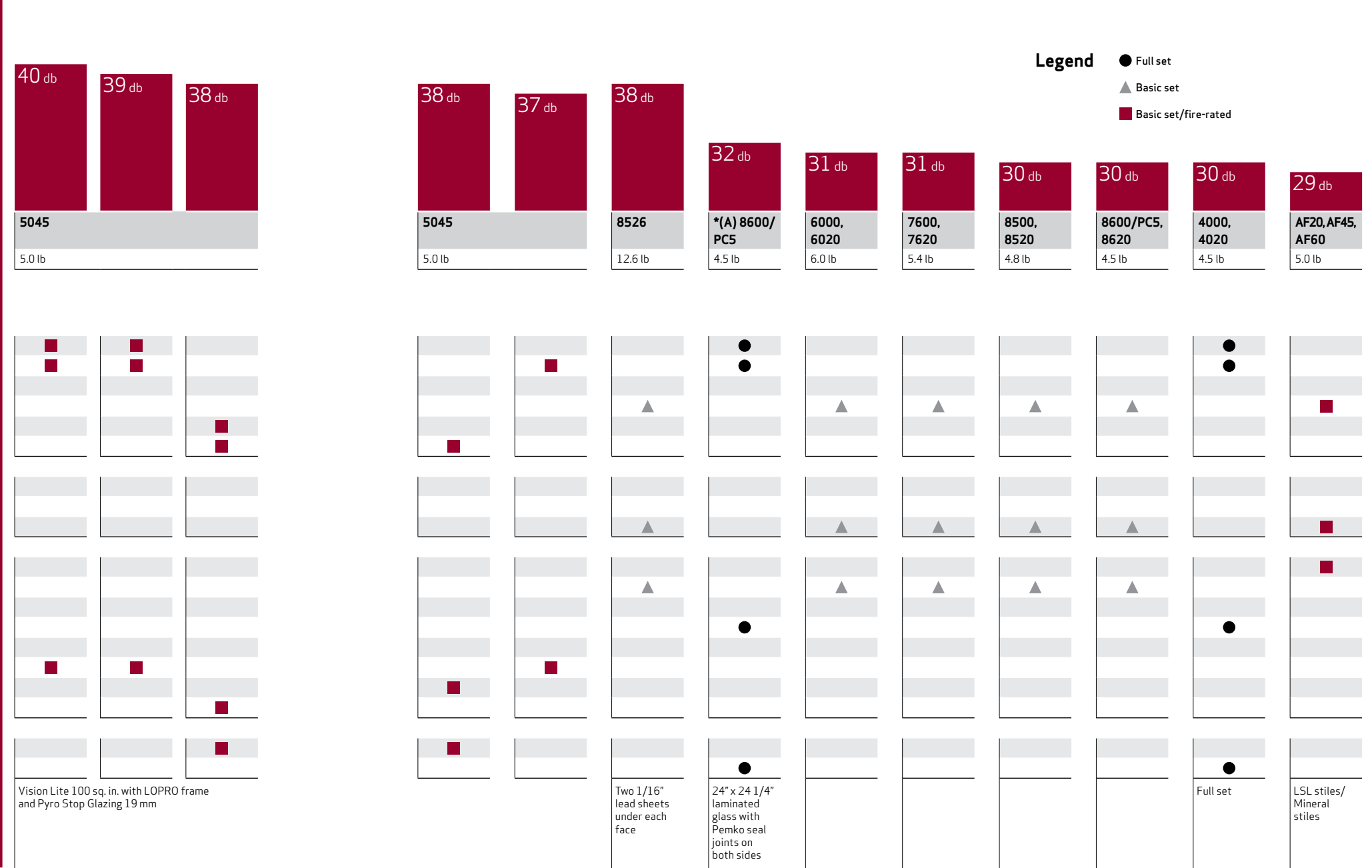
STC Soundproofing | Soundproof core



Configuration of soundproofing hardware

Head & jambs	SR46	SR45	SR42	SR38
Zero 119w	■	■	■	■
Zero 475	■	■	■	■
Pemko S-88				■
Pemko S-88 (double)				
1071 SA				
NGP 5050(2)				
Stop				
Pemko S773				
Pemko S-88		■		
Pemko S-88 (double)				
Drop-down threshold				
Pemko 411 PKL				
Uni. 50MHD				
Pemko 434 ARL				
Zero 119w				■
Zero 367		■ option		
Zero 369A	■		■	
NGP 321V				
NGP 425N				
Threshold				
NGP 9505				
Zero 564A		■	■	■
Other descriptions				

Soundproof, fire-rated, and others | Mineral, particle, LSL, LVL, agrifiber, and pine cores



Vision Lite 100 sq. in. with LOPRO frame and Pyro Stop Glazing 19 mm

Two 1/16" lead sheets under each face

24" x 24 1/4" laminated glass with Pemko seal joints on both sides

Full set

LSL stiles/Mineral stiles

*(A) includes PC5 in our tests.

Door assembly

Section 1.1: Door construction

- Core components come pre-measured to standard sizes that vary depending on door size and intended use.
- Standard sizes are suitable for the following door sizes: 3' 0" x 7' 0", 3' 6" x 7' 0" and 3' 0" x 8' 0". Custom sizes available on request.

- The face must be glued to the core in accordance with industry standards for 1 3/4" 5-ply flush doors.
- Sanding of the face is acceptable; however, a minimum door thickness of 1 1/2" must be maintained.
- Specifications are based on a 3' 0" x 7' 0" test door.

Section 1.2: Hardware

- All STC tests are carried out with a No.161 cylindrical lock and 4 1/2" full mortise hinges.
- Extra heavy duty hinges are recommended.

- Hatches have not been tested and will affect STC performance. Contact us for any construction modification, including hatches.
- Any hardware not installed using through bolts must be properly tightened.

Acoustique

Section 2.1: Sealing

- All levels of STC performance require specific sealing products and procedures.
- We can supply sealing products. Or, you can purchase products directly from a tested and approved manufacturer.
- Please refer to installation specifications for sealants.
- Sealant must be adjusted to door thickness and width according to manufacturer's specifications and third party testing.