



Western Noise Control
Engineered Acoustic Solutions

SOUND ABSORBING SOUNDBLOX®

STRUCTURAL MASONRY UNITS

SOUNDBLOX® meet CSA standard A165.1-1964, for hollow load-bearing concrete masonry units and can be incorporated wherever ordinary hollow masonry blocks are used.

Rugged durability permits the use of SOUNDBLOX® units in walls of industrial plants, gymnasiums, etc. where acoustical treatment is often most advantageously placed. This is usually impractical using soft, non-durable materials.

Due to the rear thru-chamber design and knock-outs, the 25/30 cm Type RSCF Soundblox® can be horizontally and vertically reinforced and may be used in situations requiring high load bearing capacity.



ACOUSTICAL PERFORMANCE

Sound Absorption Coefficients

SIZE	TYPE	FREQUENCY IN HERTZ (Hz)						NRC
		125	250	500	1000	2000	4000	
20 cm	RSCF	.50	1.00	1.06	.66	.56	.72	.80
25 cm	RSCF	.18	.64	1.02	.72	.80	.58	.80
30 cm	RSCF	.18	.64	1.02	.72	.80	.58	.80

The sound absorption values shown above were determined in accordance with ASTM Designation C423-66 by Geiger and Hamme Acoustical Laboratories.

ADVANTAGES

It's what you DON'T SEE in SOUNDBLOX® Units that makes the big difference.

APPLICATIONS

ARCHITECTURAL

- gymnasiums, libraries, auditoriums
- swimming pools
- community halls
- computer rooms
- music rooms
- cafeterias
- theatres
- arenas

INDUSTRIAL

- mechanical rooms
- warehouses
- factories

Western Noise Control (2015) Ltd.
2510 - 84 Avenue NW
Edmonton, AB T6P 1K3
Phone: (780) 423-2119
Fax: (780) 426-0325
Toll Free: 1-800-661-7241
Email: info@acousticsolutions.com
Web: www.acousticsolutions.com

STRUCTURAL PERFORMANCE

SOUNDBLOX® TYPE RSCF SERIES

offers an enhanced sound absorption rating (NRC value) of .80 or greater – similar to a typical 25mm acoustical panel. Soundblox® Masonry Units are part of the building structure so their supplied and installed cost is comparatively less. The 20cm Type RSCF Soundblox® uses a sequential design with 4 chambers. The 25/30 cm Type RSCF Soundblox® uses a sequential design with three chambers to increase the NRC value without affecting the structural ability.

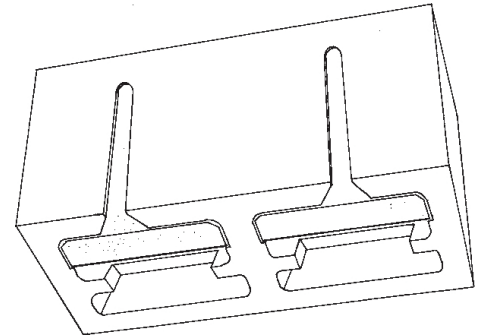


SOUND ABSORBING SOUNDBLOX® STRUCTURAL MASONRY UNITS

SIZES

20cm Type RSCF:

- High Sound Absorption Value (NRC: .80+)
- Quad-Chamber Design
- Acoustic Inserts



25/30cm Type RSCF:

- Horizontally and Vertically Reinforceable with Rear Thru-Cavity
- Tri-Chamber Design
- Acoustic Inserts



SOUND TRANSMISSION LOSS CHARACTERISTICS

SOUND TRANSMISSION CLASS (STC):53 (Measured for a wall constructed of 20cm Type RF Soundblox® units)						
FREQUENCY (Hertz)	125	250	500	1000	2000	4000
STL (dB)	36	44	50	54	58	56

Using the same test method (NCMA-TEK 69B, KAL 369-5-66), ordinary hollow concrete blocks show an STC rating of 46. SOUNDBLOX® Walls have markedly better sound transmission loss than walls constructed of ordinary blocks of the same dimensions.

Western Noise Control (2015) Ltd.

2510 - 84 Avenue NW

Edmonton, AB T6P 1K3

Phone: (780) 423-2119

Fax: (780) 426-0325

Toll Free: 1-800-661-7241

Email: info@acousticsolutions.com

Web: www.acousticsolutions.com

ACOUSTICSOLUTIONS.COM