Oscar Acoustics Overview

SoundBlox UK Supplier: Oscar Acoustics (a Division of Oscar Engineering Ltd - Reg No: 01380508)
Email: mail@oscar-acoustics.co.uk Web: www.oscar-acoustics.co.uk

General information about the supplier: Oscar Acoustics is a specialist supplier of acoustic products that reduce noise reverberation and noise transfer in buildings.
Oscar offers free technical advice.

SoundBlox
the sound absorbing building block

SoundBlox – Sound absorbing cellular building blocks that reduce sound reverberation, even at the lower frequencies. SoundBlox actively absorb both direct and reflected sound using Helmholtz resonator principles. The selection of Soundblox along with the use of Rockwool or Vitafoam cell fillers enables adjustment of the absorption characteristics to suit the application. Consult Oscar Acoustics.

Purpose: A building block that incorporates noise reverberation control into the building's walls. Soundblox can be laid along with standard masonry blocks to create attractive contrasts.

Typical installations: Sports halls, multi use halls, plant rooms, production areas, acoustic barriers.

Safe Loading: Dependant on the block size loading ranges from 6Nmm^2 up to 12Nmm^2
See chart below

Weight: See chart below

SoundBlox – cellular building blocks for Wall Construction.
Product reference:
SoundBlox G – denotes size
Soundblox W – denotes size
Soundblox N – denotes size

SoundBlox	Cell Filler	Length	Width	Height	kg/ m^2	Blocks/ m^2	Nmm^2
G1	0	387	87	190	144	12.5	6.5
G2	1	387	87	190	144	12.5	6.5
G3 plain block	0	387	87	190	144	12.5	6.5
W1	0	387	137	190	180	12.5	10.2
W2	1	387	137	190	180	12.5	10.2
W3 plain block	0	387	137	190	180	12.5	10.2
N1	0	320	187	190	200	15.0	12.2
N2	1	320	187	190	200	15.0	12.2
N2x	2	320	187	190	200	15.0	12.2
N3 plain block	0	320	187	190	200	15.0	12.2

1 denotes - the central cavity has no acoustic filler
2 denotes – the central cavity has a filler: 25mm thick high density Rockwool slab with a facing material
x denotes – 2 x slabs of filler
3 denotes – a solid block

The addition of the acoustic slab typically increases sound absorption at mid frequencies

Sound Absorption

Absorption	125 Hz.	250 Hz.	500 Hz.	1k Hz.	2k Hz.	4k Hz.	NRC
G1	0.10	0.15	0.90	0.60	0.45	0.60	50
G2	0.10	0.35	1.02	0.65	0.55	0.56	65
G3	0.02	0.03	0.03	0.05	0.05	0.05	-
W1	0.16	0.32	0.87	0.58	0.38	0.46	55
W2	0.22	0.46	1.05	0.64	0.48	0.46	65
W3	0.02	0.03	0.03	0.05	0.05	0.05	-
N1	0.25	0.80	0.40	0.45	0.60	0.65	55
N2	0.75	1.15	0.85	0.95	0.65	0.75	90
N2x	0.98	1.00	0.86	0.83	0.70	0.67	85
N3	0.02	0.03	0.03	0.05	0.05	0.05	-

Standard finish: available as fine textured [paintable] blocks

Special colours: colour batches are special order and extended delivery

Fire resistance: load bearing single leaf construction – 2 hours

Quality assurance: Purchase only from the Oscar Acoustics. (a Division of Oscar Engineering Ltd)

Installation advice: Install with the slot openings facing downwards. The block is displayed upside down in the website and brochure pictures to show the inside of the block.