

# TECHNICAL DATA SHEET

## SuperPhon<sup>®</sup> Cubes

### PRODUCT DESCRIPTION

SuperPhon<sup>®</sup> Cubes provide a highly adaptable, fire resistant and absorptive solution for controlling the reverberation of sound in large rooms. Offering excellent broadband sound absorption, these lightweight cubes are easily installed between existing services using a simple hook suspension.

Available in a wide choice of colours, striking suspended designs can be created by specifying various patterns and sizes.

### PHYSICAL INFORMATION

- Material:** SuperPhon<sup>®</sup> Foam  
**Dimensions:** 600mm<sup>3</sup> or 400mm<sup>3</sup> cubes  
**Weight:** 3kg (600mm cube)  
**Suspension:** 28mm x 100mm spiral hook  
Bespoke shapes manufactured on request.

### BENEFITS

- Reduces reverberation times to improve the listening environment
- Excellent broad band sound absorption
- Fibre free
- Lightweight at less than 3kg (600mm cube)
- Easily installed between existing services
- Bespoke shape manufacture available

### APPLICATIONS

SuperPhon<sup>®</sup> Cubes are ideal for large rooms where the ceiling height is generally above 3m, including:

- Production halls
- Gymnasias
- Event centres
- Sports halls
- Atriums



### TECHNICAL INFORMATION

Sound absorption values  
(% absorption - insulant manufacturer data)

Dimensions / Hz	125	250	500	1000	2000	4000
600mm cubes	0.98	1.92	2.65	2.58	2.35	2.39
400mm cubes	0.26	0.88	1.22	1.22	1.17	1.06

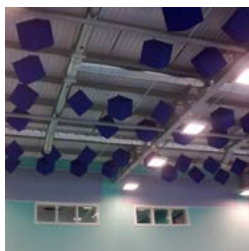
## TECHNICAL INFORMATION (continued)

### SuperPhon® 400 x 400 x 400mm

Three thirds frequency (Hz)	Reverberation time T <sub>1</sub> (s) Reverberation room without test material	Reverberation time T <sub>2</sub> (s) Reverberation room with test material	Equivalent sound absorption area A (m <sup>2</sup> )
100	8.73	6.95	0.23
125	8.55	6.65	0.26
160	8.98	6.02	0.43
200	8.32	4.64	0.75
250	8.71	4.42	0.88
315	8.24	4.01	1.01
400	7.93	3.63	1.17
500	7.40	3.45	1.22
630	7.07	3.32	1.26
800	6.73	3.33	1.19
1000	6.21	3.15	1.22
1250	6.01	3.06	1.26
1600	5.41	2.95	1.21
2000	4.66	2.75	1.17
2500	4.06	2.56	1.14
3150	3.22	2.24	1.07
4000	2.72	1.99	1.06
5000	2.31	1.77	1.05

### SuperPhon® 600 x 600 x 600mm

Three thirds frequency (Hz)	Reverberation time T <sub>1</sub> (s) Reverberation room without test material	Reverberation time T <sub>2</sub> (s) Reverberation room with test material	Equivalent sound absorption area A (m <sup>2</sup> )
100	8.73	5.04	0.88
125	8.55	4.76	0.98
160	8.98	4.73	1.05
200	8.32	3.52	1.73
250	8.71	3.36	1.92
315	8.24	2.98	2.24
400	7.93	2.73	2.52
500	7.40	2.58	2.65
630	7.07	2.62	2.53
800	6.73	2.52	2.60
1000	6.21	2.46	2.58
1250	6.01	2.48	2.49
1600	5.41	2.43	2.38
2000	4.66	2.28	2.35
2500	4.06	2.12	2.36
3150	3.22	1.89	2.29
4000	2.72	1.68	2.39
5000	2.31	1.52	2.35



## CMS DANSKIN ACOUSTICS

Scotland - 01698 356000

1 Netherton Road, Wishaw, North Lanarkshire ML2 0EQ

Central/Southern - 01925 577711

Unit 2 Lyncastle Road, Appleton, Warrington WA4 4SN

info@cmsdanskin.co.uk www.cmsdanskin.co.uk

IMPORTANT: Directions for use are given for guidance only and are not intended to form part of any contract. They should be varied or adapted to suit your particular materials or conditions of use. Goods supplied by the company are made to approved standards from the highest quality raw materials but no warranty or guarantee is given as to their suitability for any particular purpose or application, and no liability is accepted for any loss or damage arising directly or indirectly from the use of the Company's products irrespective of any information given to us as intended use of such products. It is therefore recommended that prospective users should test a sample of this product under their own conditions to satisfy themselves that the product is suitable for the purpose intended.

**CMSDANSKIN**  
ACOUSTICS