

TECHNICAL DATA SHEET

C – MUTE SYSTEM

Soundproofing system for ceilings

Product description and Technical Specification:

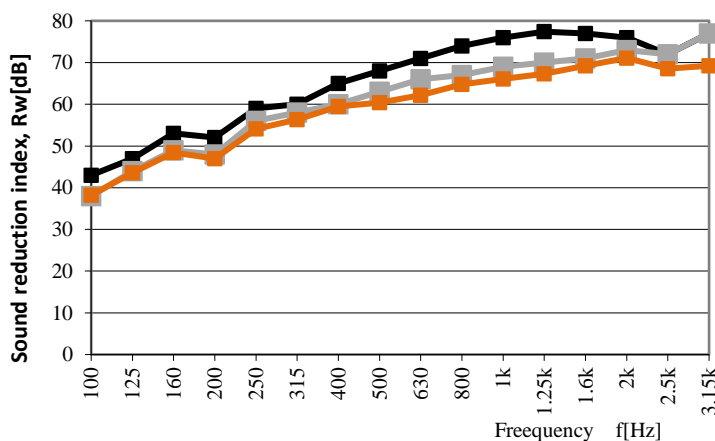
C - MUTE SYSTEM™ is a thin point connected soundproofing system for ceilings. The main acoustical principle used in the system is mass + spring + mass as in the electromechanical analogy. DECIBEL engineers have created an extra thin and 4 times more effective system, mounted via 8 specially designed anti-vibration DCloxx™ fastening elements.



- Thin soundproofing system
- Less than 1% contact area between the panels and the ceiling

PHYSICAL CHARACTERISTICS	Unit	C-MUTE 23	C-MUTE 33	C-MUTE 63	Tolerance
Thickness of the system with DCloxx	mm	33	43	73	±5%
Thickness of the panel	mm	23	33	63	±5%
Length	mm	1200	1200	1200	±5%
Width	mm	1000	1000	1000	±5%
Weight per panel	kg	17.4	17.4	19.2	±5%

ACOUSTIC CHARACTERISTICS	Unit	C-MUTE 23	C-MUTE 33	C-MUTE 63
Sound reduction index R_w , according to EN 717-1:2003, up to	dB	65	67	71
Impact sound reduction, up to	dB	54	52	51



Sound reduction index [Rw]									
f [Hz]	23			33			63		
	dB	dB	dB	dB	dB	dB	dB	dB	
100	38	38	43	62	66	71			
125	43	44	47	64	67	74			
160	48	49	53	66	69	76			
200	47	48	52	67	70	77			
250	54	56	59	69	71	77			
315	56	58	60	71	73	76			
400	59	60	65	2.5k	68	72	72		
500	60	63	68	3.15k	69	77	77		

PACKING AND STORAGE

Pallet dimensions: 130x110cm. Height depends on system thickness. Non-stackable cargo.

C-MUTE 23 – 46 panels per pallet, weight 825 kg, 55.2 sq.m per pallet

C-MUTE 33 – 46 panels per pallet, weight 825 kg, 55.2 sq.m per pallet

C-MUTE 63 – 18 panels per pallet, weight 370 kg, 21.6 sq.m per pallet