

SONOPANEL XU



Sonopanel XU

Sonopanel XU distinguishes itself by the outstanding insulation value. Besides that, the Sonopanel XU has a weight reduction of around 17% per square metre in comparison with the Sonopanel X. The R_w value is equal to the values of the Sonopanel X. The Core is a combination of Cork with thermoplastics which makes it fully recyclable.

The XU matting is a heavy mass layer designed as an effective direct replacement to bitumen damping materials. This visco-elastic material is of a precisely known composition and it is designed for damping applications where acoustic insulation and sustainability are key considerations.

Sonopanel XU provides an excellent sound insulation.

The core of the panel is made of Cork which is the world's most ecological insulation solution. The presence of Cork makes this material lighter and because of the combination with thermoplastics makes the product fully recyclable. Another positive aspect of the panel is the Acoustic Performance. Cork-based materials increase comfort by dampening noise and vibration of a wide bandwidth of frequencies.

Construction	Frequency	R_w (ISO 717)
	125 250 500 1K 2K 4K Hz	
6 - 3,5 - 6	22,4 25,9 30,3 35,3 34,5 36,1 dB	33 dB
8 - 6,0 - 8	25,5 27,9 33,0 37,0 37,2 40,5 dB	36 dB

Structure XU:

3,5 mm core

11 mm	4 - 3,5 - 4	app. 9,7	KG/m ²
15 mm	6 - 3,5 - 6	app. 11,7	KG/m ²
19 mm	8 - 3,5 - 8	app. 13,7	KG/m ²
23 mm	10 - 3,5 - 10	app. 15,7	KG/m ²

6 mm core

17 mm	6 - 6 - 6	app. 15,8	KG/m ²
21 mm	8 - 6 - 8	app. 17,8	KG/m ²
25 mm	10 - 6 - 10	app. 19,8	KG/m ²
29 mm	12 - 6 - 12	app. 21,8	KG/m ²