

## Acoustic Door - Rating 42 dB

Door blank with Chen-Chen veneer - 110 mm stiles and rails

<b>Construction</b>	1,5 mm Chen-Chen veneer	
	1,5 mm cross grain veneer	
	1,5 mm long grain veneer	
	0,3 mm Aluminium - moisture barrier - stabilizer	
	1,5 mm long grain inner veneer	
	4,0 mm HDF *	( Appr. 970 kg/m <sup>3</sup> - heat conductivity: 0,13 W/mK )
	Insulation - 16,5 mm Sonitus 193 *	( Appr. 500 kg/m <sup>3</sup> - heat conductivity: 0,091 W/mK )
	Insulation - 15,6 mm Polystyrene, XPS *	( Appr. 33 kg/m <sup>3</sup> - heat conductivity: 0,034 W/mK )
	Insulation - 16,5 mm Sonitus 197 *	( Appr. 1000 kg/m <sup>3</sup> - heat conductivity: 0,156 W/mK )
	4,0 mm HDF *	( Appr. 970 kg/m <sup>3</sup> - heat conductivity: 0,13 W/mK )

*\* Note: Only points of glue between all layers. Eventual cutouts must be glued along the edge after machining.*

1,5 mm long grain inner veneer	
0,3 mm Aluminium - moisture barrier - stabilizer	
1,5 mm long grain veneer	
1,5 mm cross grain veneer	
1,5 mm Chen-Chen veneer	

<b>U-Value:</b>	<b>U-Value - W/m<sup>2</sup>K</b>
	<b>68 mm</b>
	1,09

Size 1000 mm x 2000 mm  
Heat conductivity is calculated on the basis of the practical heat conductivity of each included material - taken from data sheets and DS418, version 6, 2002. Also relating to EN 12524.

<b>Weight:</b>	<b>Weight appr. Kg./m<sup>2</sup></b>
	<b>68 mm</b>
	38,6

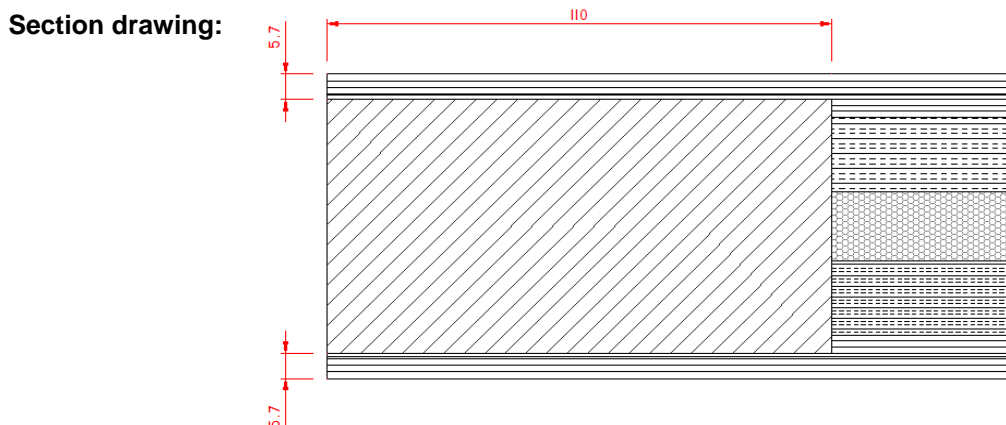
Size 1000 mm x 2000 mm

<b>Sound reduction:</b>	<b>Weighted sound reduction - R<sub>w</sub> (C; C<sub>tr</sub>)= 42 (-1; -4) dB</b>
	<b>68 mm</b>
	42

Weighted sound reduction index in accordance with PN-EN ISO 717-1:2013

**Measure:** Min.: 1,0 m<sup>2</sup> - Max.: 1200 x 2400 mm

**Tolerances:** Width/Height: +/- 1 mm - Diagonal: +/- 2 mm - Thickness: +/- 0,8 mm



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