

# Sound Insulation Prediction (v8.0.12)

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Pyrotek Pty Ltd - Key No. 1071

Margin of error is generally within  $R_w \pm 3$  dB

Job Name:

Notes:

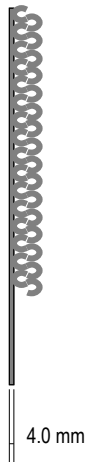
Job No.:

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Date: 8 May 17

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File Name: Sorberbarrier M50-8.0.ixl



$R_w$  31 dB

C -2 dB

$C_{tr}$  -5 dB

$D_{nTw}$  33 dB [V:50m3]  
[A:11m2]

## System description

Panel 1 : 1 x 4.0 mm Pyrotek Wavebar 8 kg/m<sup>2</sup> ( $\rho$ :2000 kg/m<sup>3</sup>, $E$ :0.008GPa, $\eta$ :0.30,  $\rho_s$ :8 kg/m<sup>2</sup>,  $f_c$ :2.564E5 Hz)

Absorptive facing : Facing Thickness 25 mm

Panel Size 2.7x4 m; Mass 8.0 kg/m<sup>2</sup>

frequency (Hz)	R(dB)	R(dB)
50	12	
63	13	13
80	14	
100	15	
125	16	16
160	18	
200	19	
250	21	21
315	23	
400	24	
500	26	26
630	28	
800	29	
1000	31	31
1250	33	
1600	35	
2000	37	37
2500	39	
3150	41	
4000	43	43
5000	45	

