

# Sound Insulation Prediction (v8.0.11)

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Mohawk Industries, Inc. - Key No. 3767

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

Job Name:

Job No.:

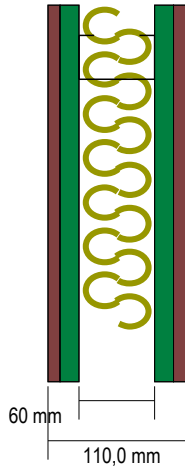
Page No.:

Notes:

Date: 24 nov 16

Initials:

File Name: Clickwall metalstud 60mm.ixl



$R_w$	52 dB	
C	-4 dB	
$C_{tr}$	-12 dB	
$D_{nTw}$	54 dB	[V:50m3] [A:11m2]

## System description

Panel 1 : 1 x 10,0 mm Clickwall mdf comfort

+ 1 x 15,0 mm Durelis 15mm

Cavity: Steel stud (0.55mm): Stud spacing 600 mm , Infill Fibreglass (10kg/m<sup>3</sup>) Thickness 50 mm (p:10 kg/m<sup>3</sup>, Rf:4000 Pa.s/m<sup>2</sup>)  
 Panel 2 + 1 x 15,0 mm Durelis 15mm + 1 x 10,0 mm Clickwall mdf comfort

Mass-air-mass resonant frequency =70 Hz

Panel Size 2,7x4 m; Mass 38,9 kg/m<sup>2</sup>

frequency (Hz)	R(dB)	R(dB)
50	20	
63	19	18
80	15	
100	22	
125	29	25
160	35	
200	40	
250	45	43
315	49	
400	52	
500	55	55
630	58	
800	61	
1000	63	62
1250	64	
1600	65	
2000	64	59
2500	55	
3150	57	
4000	61	60
5000	65	

