

# Sound Insulation Prediction (v8.0.12)

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ACOUSTIC Project Bureau - Key No. 3806

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

Job Name:

Job No.:

Date: 17 мар 20

File Name: insul

Page No.:

Initials:



Notes:



|           |  |
|-----------|--|
| $R_w$     | 24 dB                                      |
| $C$       | -1 dB                                      |
| $C_{tr}$  | -4 dB                                      |
| $D_{nTw}$ | 26 dB <small>[V:50m3]<br/>[A:11m2]</small> |

## System description

Panel 1 : 1 x 2,6 mm Vibrofix ML ( $\rho$ :1950 kg/m<sup>3</sup>, $E$ :0,03GPa, $\eta$ :0,20,  $\rho_s$ :5,07 kg/m<sup>2</sup>,  $f_c$ :2,011E5 Hz)

| frequency (Hz) | R(dB) | R(dB) |
|----------------|-------|-------|
| 50             | 8     |       |
| 63             | 8     | 8     |
| 80             | 9     |       |
| 100            | 9     |       |
| 125            | 11    | 11    |
| 160            | 12    |       |
| 200            | 13    |       |
| 250            | 15    | 15    |
| 315            | 16    |       |
| 400            | 18    |       |
| 500            | 20    | 19    |
| 630            | 21    |       |
| 800            | 23    |       |
| 1000           | 25    | 25    |
| 1250           | 27    |       |
| 1600           | 28    |       |
| 2000           | 30    | 30    |
| 2500           | 32    |       |
| 3150           | 34    |       |
| 4000           | 35    | 35    |
| 5000           | 37    |       |

Panel Size 2,7x4 m; Mass 5,1 kg/m<sup>2</sup>

