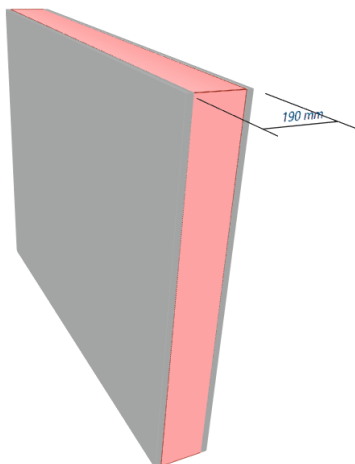


# Sound Insulation Prediction (v10.0.6)

Program copyright Marshall Day Acoustics 2023 | Margin of error is generally within  $R_w \pm 3$  dB

Date: 2/7/2025

Job Name:



$R_w$  43 dB

C -1 dB

Ctr -5 dB

## System description

Panel 1 1 x 20 mm Plaster 20mm with CaOH + 1 x 150 mm KEBE MK150 + 1 x 20 mm Plaster 20mm with CaOH  
Details Panel Size 3,1 m x 3,7 m, Partition surface mass = 155 kg/m<sup>2</sup>

| freq. (Hz) | R (dB) | Roct (dB) |
|------------|--------|-----------|
| 50         | 32     |           |
| 63         | 31     | 32        |
| 80         | 32     |           |
| 100        | 34     |           |
| 125        | 29     | 29        |
| 160        | 26     |           |
| 200        | 27     |           |
| 250        | 31     | 30        |
| 315        | 34     |           |
| 400        | 37     |           |
| 500        | 39     | 39        |
| 630        | 43     |           |
| 800        | 48     |           |
| 1000       | 50     | 50        |
| 1250       | 53     |           |
| 1600       | 56     |           |
| 2000       | 58     | 58        |
| 2500       | 60     |           |
| 3150       | 62     |           |
| 4000       | 64     | 63        |
| 5000       | 66     |           |

