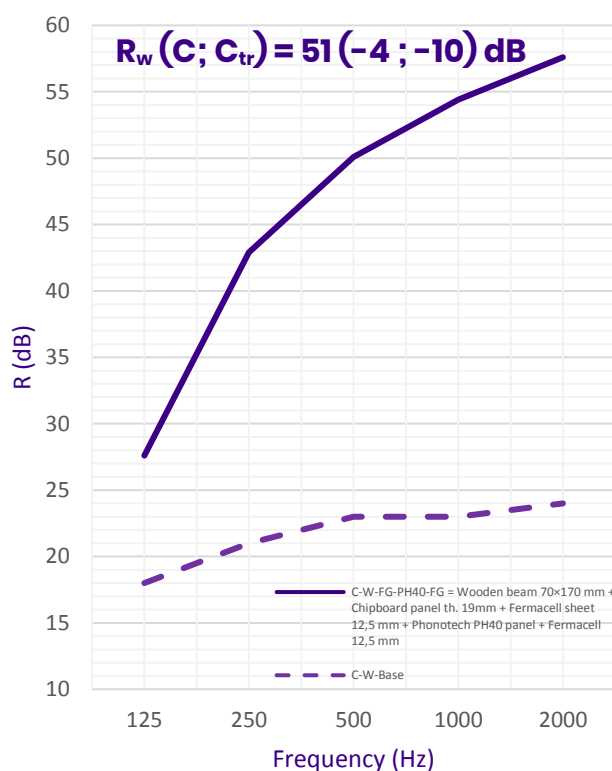


### SYSTEM COMPOSITION

1. Wooden beam 70x170 mm
2. Chipboard panel th. 19mm
3. Gypsum board th. 12,5 mm
4. Acoustic panel PHONOTECH PH40
5. Gypsum board th. 12,5 mm

### Insulation



### R (dB) per octave band (Hz)

| Frequency (Hz) | 125  | 250  | 500  | 1000 | 2000 |
|----------------|------|------|------|------|------|
| R (dB)         | 27,6 | 42,9 | 50,1 | 54,4 | 57,6 |

| System                | Sound reduction     |                     |                        | Thermal R. (m <sup>2</sup> .K/W) | U (W/m <sup>2</sup> .K) | Weight (kg/m <sup>2</sup> ) | Thickness (mm) |
|-----------------------|---------------------|---------------------|------------------------|----------------------------------|-------------------------|-----------------------------|----------------|
|                       | R <sub>w</sub> (dB) | R <sub>A</sub> (dB) | R <sub>A,tr</sub> (dB) |                                  |                         |                             |                |
| <b>C-W-FG-PH40-FG</b> | 51                  | 57                  | 41                     | 1,590                            | 0,63                    | 58,31                       | 87,5           |