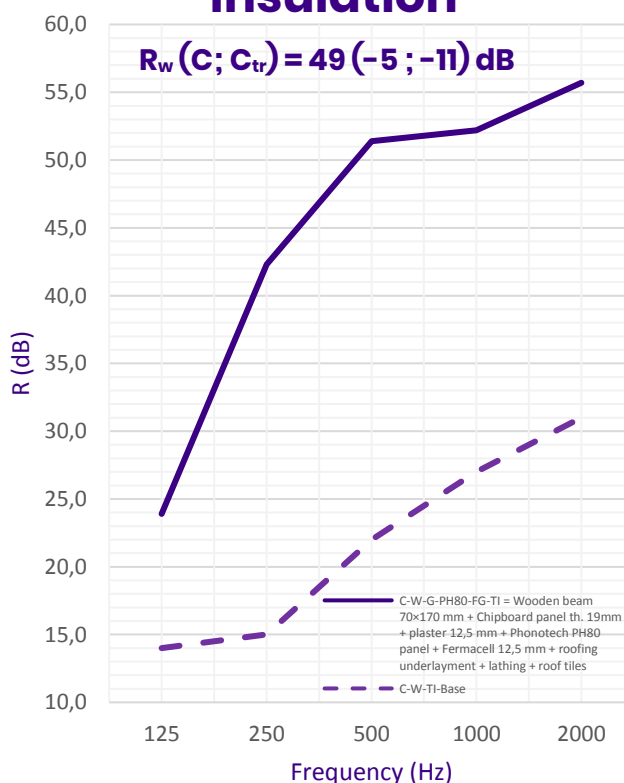


### SYSTEM COMPOSITION

1. Wooden beams 70x170 mm
2. Chipboard board th. 19mm
3. Plaster th. 12,5 mm
4. Acoustic panel PHONOTECH PH80
5. Fermacell sheet th. 12,5 mm
6. Roofing underlayment
7. Lathing
8. Roof tiles

### Insulation



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

| Frequency (Hz) | 125  | 250  | 500  | 1000 | 2000 |
|----------------|------|------|------|------|------|
| <b>R (dB)</b>  | 23,9 | 42,3 | 51,4 | 52,2 | 55,7 |

| 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-G-PH80-FG-TI</b> | 49                  | 44                  | 38                     | 2,720                            | 0,38                    | 99,77                       | 117,5          |

#### ADRESS

Zoning Industriel les Plénesses  
Rue des Waides 8, 4890 Thimister  
Belgium

#### WEBSITE

www.phonotech.com  
**E-MAIL**  
info@phonotech.com

#### PHONE

+32 (0) 87 33 33 30  
**FAX**  
+32 (0) 87 78 52 30