




## E3602-02

### Timber beam ceiling; REI 30

|    | Construction Material   | Dimension   |
|---|---|---|
| <b>A</b>  | <b>EGGER OSB</b>  | <b>22 mm</b>  |
| <b>B</b>  | Rock wool<br>impact sound insulation 30 kg/m <sup>3</sup> ,<br>s' < 15 MN/m <sup>2</sup>  | 20 mm   |
| <b>C</b>  | Loose filling 60 kg/m <sup>2</sup>  | 40 mm   |
| <b>D</b>  | Drip protection paper   | yes   |
| <b>E</b>  | <b>EGGER OSB</b>  | <b>22 mm</b>  |
| <b>F</b>  | <b>Floor beam</b> for 3,65 kN/m <sup>2</sup><br>a ≤ 625 mm, l ≤ 5.000 mm  | <b>80 × 200 mm</b>  |
| <b>G</b>  | Glass wool 11 kg/m <sup>3</sup><br>Rock wool 30 kg/m <sup>3</sup><br>Cellulose insulation 50 kg/m <sup>3</sup><br>Wood fibre insulation board 45 kg/m <sup>3</sup><br>Hemp 30 kg/m <sup>3</sup> or<br>Sheep wool 16 kg/m <sup>3</sup> | 100 mm  |
| <b>H</b>  | <b>Battens a ≤ 500 mm</b>   | <b>22/80 mm</b>   |
| <b>I</b>  | Spring clip between battens<br>a = 400 mm   | 27 mm   |
| <b>J</b>  | Gypsum fire board   | 12,5 mm   |
|  | <b>Fire classification report</b>   | Test load 3,66 kN/m <sup>2</sup><br>Fire exposure bottom side:<br>Classification report HF Austria<br>2586/2018/25-BB |
|  | <b>Sound insulation</b><br>Airborne sound R' <sub>w,R</sub><br>DIN 4109<br>Informationsdienst Holz, Row 3, Part 3, Part<br>3, Mai 1999  | > 54 dB   |
|   | <b>Impact sound L'<sub>n,w,R</sub><br/>DIN 4109<br/>Informationsdienst Holz, Row 3, Part 3, Part<br/>3, Mai 1999</b>  | 53 dB   |