





## E3503-03

### Timber beam ceiling; F60-B

	Construction Material	Dimension
<b>A</b>	<b>EGGER OSB</b>	<b>25 mm</b>
<b>B</b>	Impact sound insulation; Rock wool 30 kg/m <sup>3</sup> , s' < 15 MN/m <sup>2</sup>	30 mm
<b>C</b>	<b>EGGER OSB</b>	<b>15 mm</b>
<b>D</b>	Rock wool 30 kg/m <sup>3</sup>	60 mm
<b>E</b>	<b>Floor beam for</b> 3,65 kN/m <sup>2</sup> a ≤ 625 mm, l ≤ 5.000 mm	<b>80 × 200 mm</b>
<b>F</b>	<b>EGGER OSB</b>	<b>15 mm</b>
<b>G</b>	Gypsum fire board or gypsum fibre board	12,5 mm
<b>H</b>	Gypsum fire board or gypsum fibre board	12,5 mm
	<b>Fire classification report</b>	DIN 4102-4, Table 10.11, Row 5
  <b>IS</b>	<b>Sound insulation</b> Airborne sound R' <sub>w,R</sub> DIN 4109 Supplement 1, Table 34, Row 1	50 dB
	<b>Impact sound L'<sub>n,w</sub></b> DIN 4109 Supplement 1, Table 34, Row 1	62 dB
	<b>Heat/moisture protection</b> U-value (W/m <sup>2</sup> K) EN ISO 6946	for the upper floor ceiling, with insulation of λ <sub>R</sub> = 0.035 W/mK the requirement g U = 0.20 W/m <sup>2</sup> K is fulfilled