





E3504-02

Timber beam ceiling; REI 60

 Construction Material	Dimension
A EGGER OSB	15 mm
B Rock wool 30 kg/m ³	60 mm
C Floor beam for 3,65 kN/m ² a ≤ 625 mm, l ≤ 5.000 mm	80 × 200 mm
D EGGER OSB	15 mm
E Gypsum fire board or gypsum fibre board	12,5 mm
F Gypsum fire board or gypsum fibre board	12,5 mm
 Fire classification report	Test load 3,66 kN/m ² Fire exposure bottom side: Classification report HF Austria 2586/2018/26-BB
 Sound insulation Airborne sound R' _{w,R} DIN 4109 Supplement 1, Table 34, Row 1	50 dB
Impact sound L'_{n,w} DIN 4109 Supplement 1, Table 34, Row 1	62 dB
 Heat/moisture protection U-value (W/m ² K) EN ISO 6946	for the upper floor ceiling, with insulation of λ _R = 0.035 W/mK the requirement g U = 0.20 W/m ² K is fulfilled