





E2503-03

Flat pitched roof; F30-B

 Construction Material	Dimension
A Roof sealing or metal covering on structured separation layer	yes
B High- resistance foam sheet EPS 035 Rock wool insulation panels 035 pressure-resistant	140 mm
C EGGER OSB	22 mm
D Rock wool, raw density $\geq 50 \text{ kg/m}^3$	60 mm
E Rafter a = 625 mm	80 x 220 mm
F Vapour barrier	is to be proven!
G EGGER OSB	15 mm
H Clapboard siding a = 400 mm	22 x 80 mm
I Gypsum fire board	12,5 mm
 Fire classification report	DIN 4102-4, Table 10.20, Row 9
 Sound insulation Airborne sound $R'_{w,R}$ DIN 4109-Supplement 1, Table 38, Row 4	> 50 dB
 Heat/moisture protection U-value ($\text{W/m}^2\text{K}$) 10% wood content EN ISO 6946	Heat insulation TCG 040 200 / 220 / 280 mm 0,23 / 0,21 / 0,17 ($w_V - w_T$) $\geq 250 \text{ g/m}^2$