





E2505-02

Flat pitched roof; REI 45

	Construction Material	Dimension
A	Roof sealing or metal covering on structured separation layer	yes
B	EGGER OSB	22 mm
C	Glass wool 11 kg/m ³ Rock wool 30 kg/m ³ Cellulose insulation 50 kg/m ³ Wood fibre insulation board 45 kg/m ³ Hemp 30 kg/m ³ or Sheep wool 16 kg/m ³	360 mm
D	Rafter a = 625 mm	120 x 360 mm ²
E	Vapour barrier	is to be proven!
F	Clapboard siding a = 400 mm	22 x 80 mm
G	Gypsum fire board	12,5 mm
H	Gypsum fire board or gypsum fibre board	12,5 mm
	Fire classification report	Test load 4,6 kN/m ² Fire exposure bottom side: Classification report HF Austria 443/2014/27-BB
	Sound insulation Airborne sound R' _{w,R} DIN 4109-Supplement 1, Table 38, Row 4	50 dB
	Heat/moisture protection U-value (W/m ² K) 10% wood content EN ISO 6946	Heat insulation TCG 040 0,14 (w _V -w _T) ≥ 290 g/m ²