

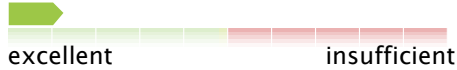
# Exterior wall

Exterior wall  
created on 9.3.2021

## Thermal protection

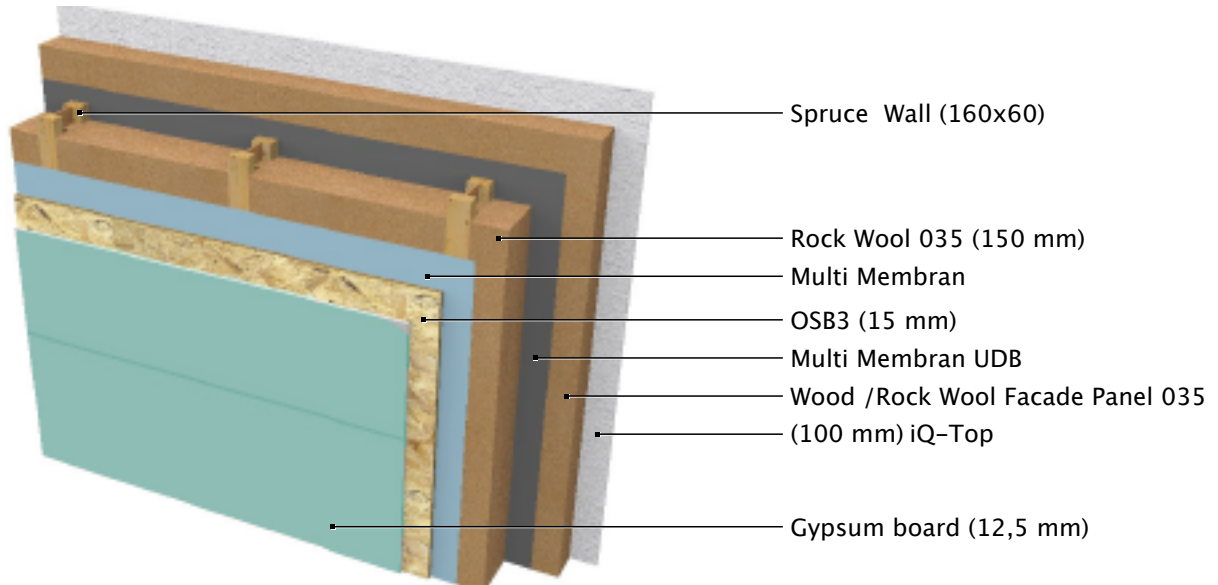
$U = 0,140 \text{ W}/(\text{m}^2\text{K})$

EnEV Bestand\*:  $U < 0,24 \text{ W}/(\text{m}^2\text{K})$

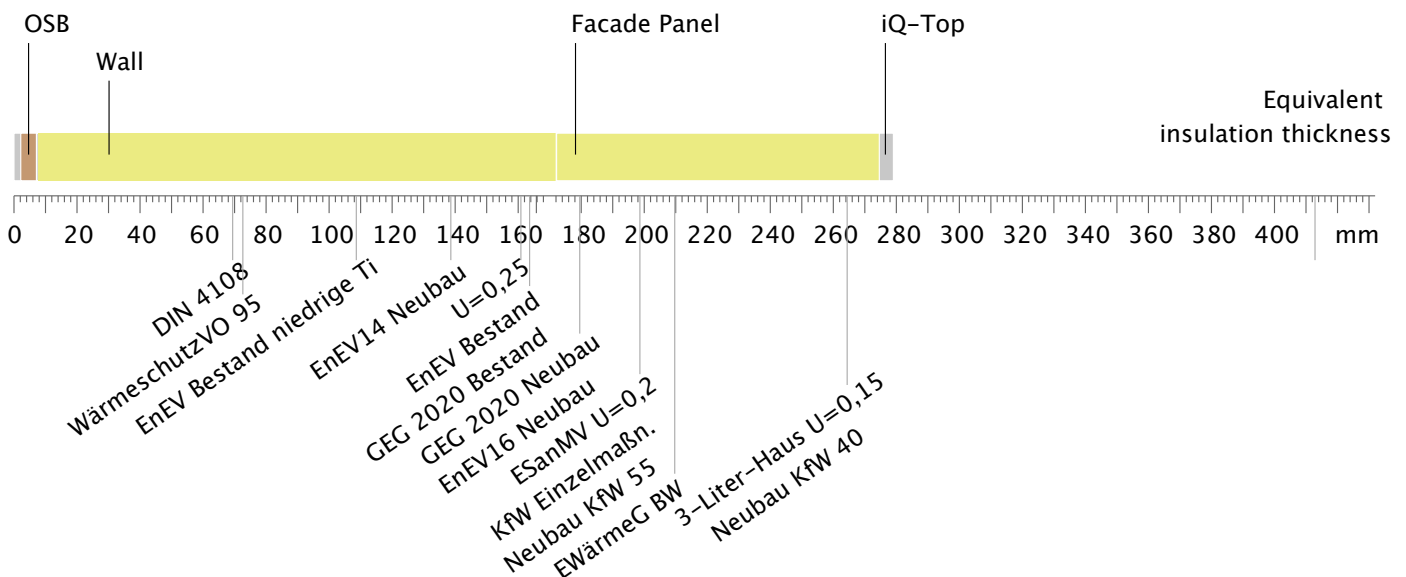


## Heat protection

Temperature amplitude damping: 56  
phase shift: 15,8 h  
Thermal capacity inside: 48 kJ/m<sup>2</sup>K



## Impact of each layer and comparison to reference values



Inside air :	20,0°C / 50%	Thickness:	29,9 cm
Outside air:	-5,0°C / 80%	sd-value:	6,4 m
Surface temperature:	18,8°C / -4,9°C	Drying reserve:	2918 g/m <sup>2</sup> a
		Weight:	53 kg/m <sup>2</sup>
		Heat capacity:	87 kJ/m <sup>2</sup> K

EnEV Bestand     BEG Einzelm.     BEG Effizienzhaus 40     BEG Effizienzhaus 55

# Roof

Flat roof  
created on 9.3.2021

## Thermal protection

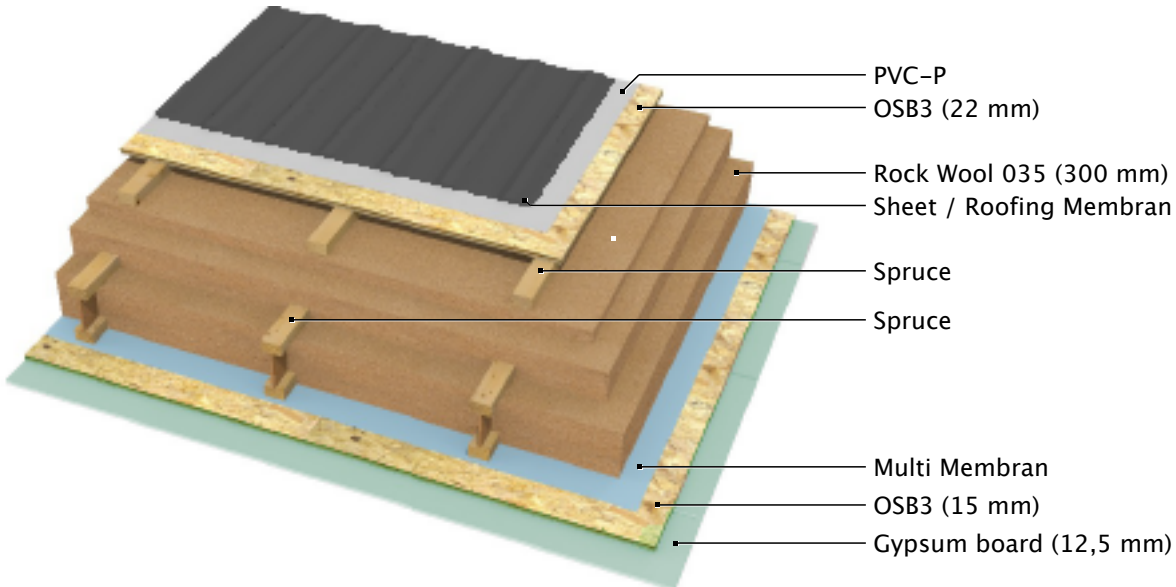
$U = 0,116 \text{ W}/(\text{m}^2\text{K})$

EnEV Bestand\*:  $U < 0,2 \text{ W}/(\text{m}^2\text{K})$

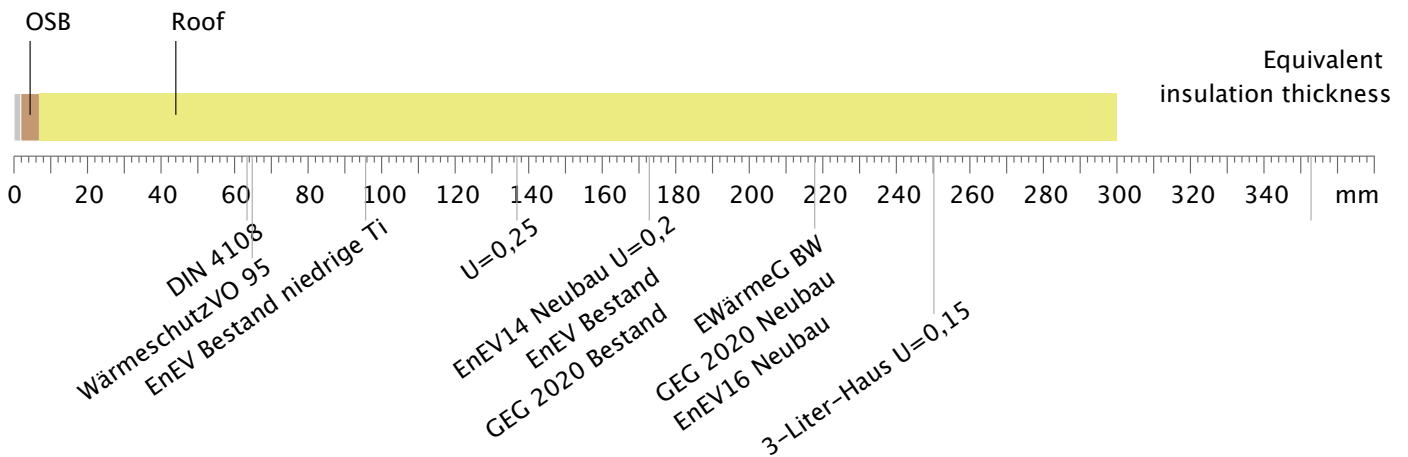


## Heat protection

Temperature amplitude damping: 70  
phase shift: 16,2 h  
Thermal capacity inside: 51 kJ/m<sup>2</sup>K



## Impact of each layer and comparison to reference values



Inside air :	20,0°C / 50%	Thickness:	40,0 cm
Outside air:	-5,0°C / 80%	sd-value:	14,4 m
Surface temperature:	18,9°C / -4,9°C	Drying reserve:	12761 g/m <sup>2</sup> a
		Weight:	63 kg/m <sup>2</sup>
		Heat capacity:	83 kJ/m <sup>2</sup> K

- EnEV Bestand   
  BEG Einzelm.   
  BEG Effizienzhaus 40   
  BEG Effizienzhaus 55

# Floor

Floor  
created on 9.3.2021

## Thermal protection

$U = 0,116 \text{ W}/(\text{m}^2\text{K})$

EnEV Bestand\*:  $U < 0,24 \text{ W}/(\text{m}^2\text{K})$

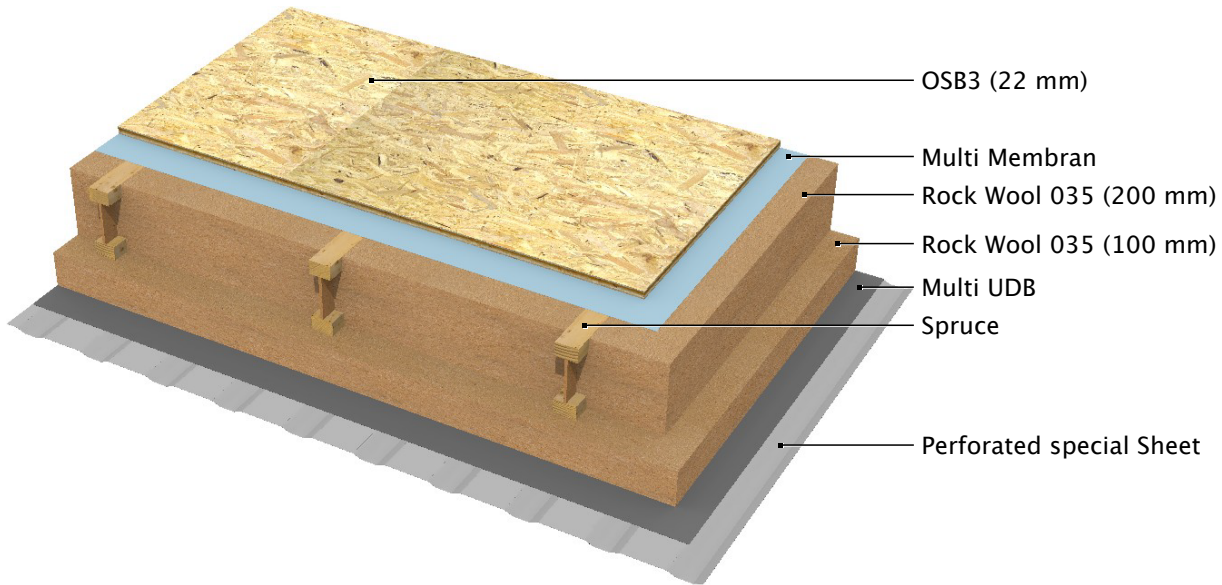


## Heat protection

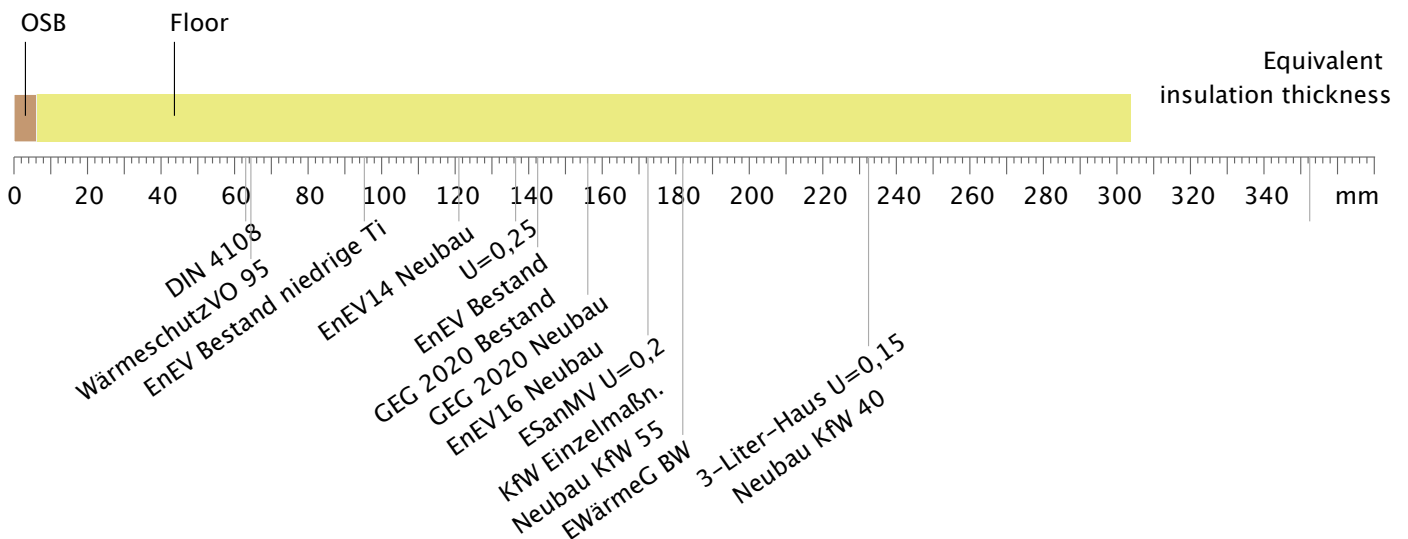
Temperature amplitude damping: 63

phase shift: 15,2 h

Thermal capacity inside: 47 kJ/m<sup>2</sup>K



## Impact of each layer and comparison to reference values



Inside air :	20,0°C / 50%	Thickness:	33,3 cm
Outside air:	-5,0°C / 80%	sd-value:	1514,4 m
Surface temperature:	18,9°C / -4,9°C	Drying reserve:	0 g/m <sup>2</sup> a
		Weight:	38 kg/m <sup>2</sup>
		Heat capacity:	70 kJ/m <sup>2</sup> K

- EnEV Bestand   
  BEG Einzelm.   
  BEG Effizienzhaus 40   
  BEG Effizienzhaus 55