

# U-values: timber wall

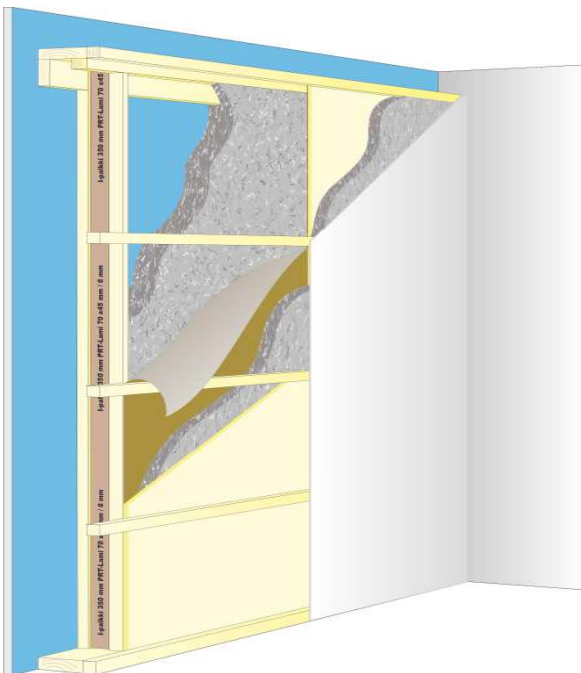


## The construction from inside out:

- Gypsum board 11 mm,  $\lambda_{dec} = 0,21 \text{ W}/(\text{m K})$
- Air/vapour barrier
- Termex-Cellulose insulation/ vertical beams 50 x d, k 600,  $\lambda_{dec} = 0,038\text{W}/(\text{m K}) / 0,13 \text{ W}/(\text{m K})$
- Termex-Cellulose insulation / horizontal beams 50 x 50, k600,  $\lambda_{dec} = 0,038 \text{ W}/(\text{m K}) / 0,13 \text{ W}/(\text{m K})$
- Wind board: wood fiber board 25 mm,  $\lambda_{dec} = 0,055\text{W}/(\text{m K})$
- Air gap and cladding

## Additional parametes

Thermal resistivities of surfaces ,  $R_{si} + R_{se} = 0,13 + 0,13 = 0,26 \text{ (m}^2 \text{ K)}/\text{W}$



U-value (W/m <sup>2</sup> K)	Thickness (mm)	Density	AFr	RAM
0,29	125	35	9	4
0,25	150	35	9	4
0,22	175	35	9	4
0,19	200*	35	9	4
0,17	225	55	9	4
0,16	250	55	9	4
0,15	275	55	9	4
0,13	300	55	9	4
0,12	350	55	9	4
0,11	375	55	9	4
0,10	400	55	9	4
0,09	450	55	9	4

\* Max. thickness of spray-on technique

Presented values and pictures are only referable.