

U-values: loft attic

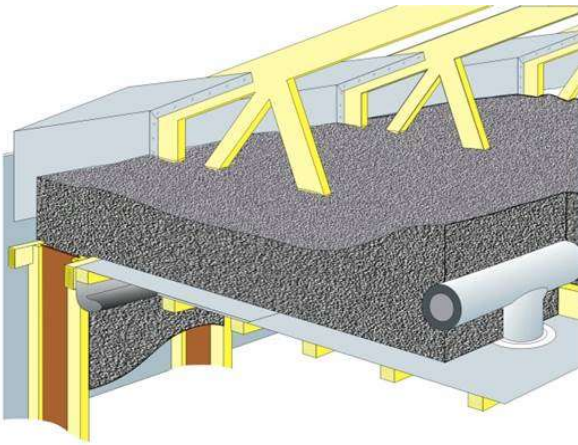


The structure from inside out

- Gypsum board 11 mm, $\lambda_{dec} = 0,21 \text{ W}/(\text{m K})$
- Studs / air gap 21 mm
- Air/vapour barrier
- Termex-Cellulose insulation / studs 50 x 120, $k 900$, $\lambda_{dec} = 0,038 \text{ W}/(\text{mK}) / 0,13 \text{ W}/(\text{mK})$
- Termex-Cellulose insulation, $\lambda_{dec} = 0,038 \text{ W}/(\text{mK})$, Air flow resistivity: see RAM table below.
- Ventilated crawlspace
- Roofing + underlayment

Additional parameters:

- Thermal resistivity of inner surface, $R_{si} = 0,1 \text{ (m}^2 \text{ K)}/\text{W}$
- Thermal resistivity of air gap, $R_g = 0,16 \text{ (m}^2 \text{ K)}/\text{W}$
- Thermal resistivity of crawlspace, $R_u = 0,20 \text{ (m}^2 \text{ K)}/\text{W}$



U-value (W/m ² K)	Thickness (mm)	Density kg/m ³	AFr	RAM
0,18	200	26	4	4
0,17	220	26	4	4
0,16	230	27	4,5	4
0,15	240	27	4,6	4
0,14	270	28	5	4
0,13	280	28	5	4
0,12	300	29	5,5	4
0,11	330	30	6	4
0,10	360	31	6,5	4
0,09	400	32	7	4
0,08	450	34	7,4	4
0,07	510	36	8,6	4

Presented values and pictures are only referable