

3.1 Calculation of thermal resistance

a) Thermal conductivity coefficient $\lambda_{D(23;50)} = 0.0430 \text{ W/m.K}$
density 28-30 kg/m³

Thermal resistance [m ² ·K/W]	Thickness [m]	Thickness after settlement*	Number of 13,5 kg bags per 100 m ²
2.00	0.086	0.086	18
2.50	0.108	0.108	22
3.00	0.129	0.129	27
3.50	0.151	0.151	31
4.00	0.172	0.172	36
4.50	0.194	0.194	40
5.00	0.215	0.215	45
5.50	0.237	0.237	49
6.00	0.258	0.258	54
6.50	0.280	0.280	58
7.00	0.301	0.301	62
7.50	0.323	0.323	67
8.00	0.344	0.344	71
8.50	0.366	0.366	76
9.00	0.387	0.387	80
9.50	0.409	0.409	85
10.00	0.430	0.430	89
10.50	0.452	0.452	94
11.00	0.473	0.473	98

Note:

*declared class of settlement in cavities of walls and between rafters according to Annex B.2 of EN 15101-1: SCO

