

Recommended minimum degree of compaction for non-settling insulated structural elements

Structural element	Insulation thickness					
	<=6 cm	<=12 cm	<=18 cm	<=24 cm	<=30 cm	> 30 cm
		Recommended hose size				
Compacted cavity blow-in (VHB)	Nozzle 1.5"	2"-2.5"	2.5"-3"	3"	3"	3"
Ceiling, roof <=20°	55 to 65 kg/m ³	40	45	45	45	50
Roof <=60° plus surcharges table 1+2		40	45	45	50	55
Roof and walls > 60° plus surcharges table 1+2		45	50	50	55	60
Open blow-on process (OAV)						
Ceiling, roof <=12° floor	~ 36	~ 36	~ 36	~ 36	~ 40	~ 40
	Requested insulation height (mm, cm) x 100/80 = insulation height to be blown in Settling as a result of excess heights is to be expected due to the dead weight of the insulation.					
Moist spray method (CSO)	~ 35	~ 35	~ 35	~ 35	~ 35	~ 35

Surcharges for unusual conditions are recommended

1. Assessment of the surfaces of the panelling or surfaces of the adjoining structural elements

		Roof > 20°		Wall	
		i	a	i	a
Group 1	Non-plastered masonry, rough sawn formwork, coarse-grained plaster, wood-wool lightweight building panels	1	0	1	1
Group 2	Soft fibre panels, Fermacell panels, hard fibre panels, lightly textured plaster, concrete with rough sawn wooden formwork	2	1	2	2
Group 3	Exposed concrete, plywood, smoothed plaster, building paperboard, gypsum board, particle board	4	2	4	4
Group 4	PE sheeting, glass, plastic, painted surfaces, tiles	6	3	7	7
Sum of the points					

2. Rafter or alternatively stud distances for insulation thicknesses greater than 24 cm of insulation

		> 70 cm	> 90 cm	> 120 cm
		Inside width		
> 30°		1	2	3
> 40°		2	3	4
> 60°		3	4	5
Wall		4	5	6

The sum of all points from tables 1 and 2 gives the basis for the surcharge for the recommended compaction measures.

Points	5 to 8	9 to 12	13 to 16
Surcharge for the compaction	4%	7%	10%