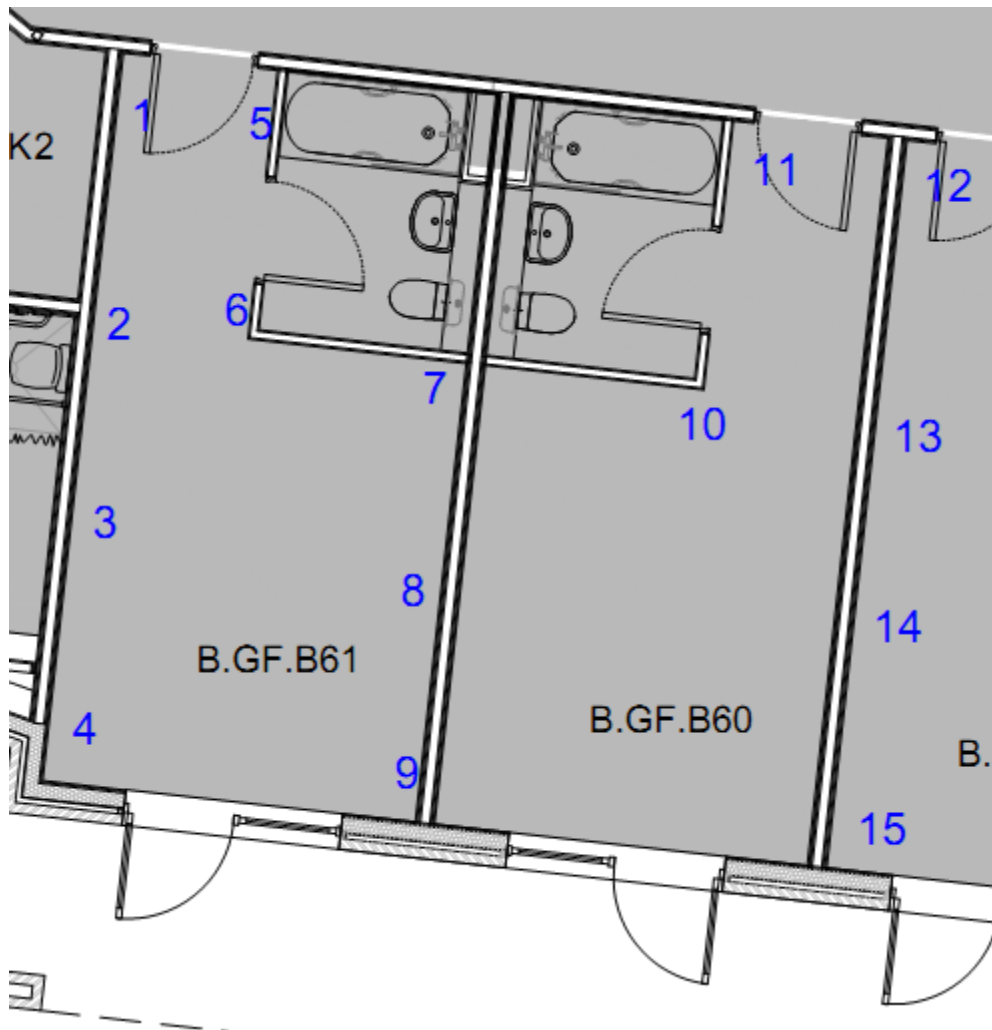


Headtrack selector

Pre cut boards- height variation lost at headtrack

Downwards deflection

Measure the distance from the floor to the soffit along the line of the partition every 2 metres to find the maximum and minimum heights.



Area	Height (mm)	Area	Height (mm)	Area	Height (mm)
1	2725	6	2728	11	2732
2	2728	7	2727	12	2733
3	2730	8	2725	13	2726
4	2732	9	2725	14	2724
5	2725	10	2724	15	2725

The deviation in height is 11mm. Once you have the deviation in height you can use the tables below to find the correct build up of the headtrack for British gypsum, Siniat, and knauf systems for downward deflection up to 25mm.

British Gypsum

Deflection	Deviation in height	Headtrack
20mm	1mm-5mm	2 x 15mm fireline on deep track
20mm	5mm-10mm	2 x 19mm coreboard on deep track
20mm	11mm-25mm	2 x 25mm grg on extra deep track
20mm	25mm-30mm	2 x 30mm grg on extra deep track
25mm	1mm-20mm	2 x 25mm grg on extra deep track
25mm	21mm-25mm	2 x 30mm grg on extra deep track

NOTE: The tables take into account that the studs are to be pre cut and allows for the minimum engagement required in the headtrack. If the studs are to be cut separately then bigger deviations in height can be achieved by using thicker GRG or more than 2 layers of grg

If the variation in height is between 1-20mm the boards can be lifted up to achieve the deflection by using deep track to the floor. This would work with any size deflection. The gap below the boards would require bulk filling.

Siniat

Deflection mm	Deviation in height	Head track
20mm	1-5mm	2 x 15mm GTEC fireboard on deep track
20mm	6-10mm	2x19mm GTEC coreboard on deep track
20mm	10-20mm	3x15mm GTEC fireboard on extra deep track
20mm	21-30mm	4x15mm GTEC fireboard
25mm	1-5mm	2x19mm GTEC coreboard on deep track
25mm	5-25mm	4x15mm GTEC fireboard on extra deep track

Knauf

Deflection	Deviation in height	Headtrack
20mm	1-8mm	2x19mm Coreboard on deep track
20mm	9-15mm	3x15mm fireboard on extra deep track
20mm	16-20mm	3x19mm coreboard on extra deep track
25mm	1-5mm	3x15mm fireboard on deep track
25mm	6-10mm	3x15mm fireboard on extra deep track
25mm	11-22mm	3x19mm coreboard on extra deep track