

6.3 Results – Configuration n°8 BIS

This configuration corresponds to the configuration junction n°8 but without the concrete screed in S13 (removed for this measurement). The appendix B provides more details regarding these elements.

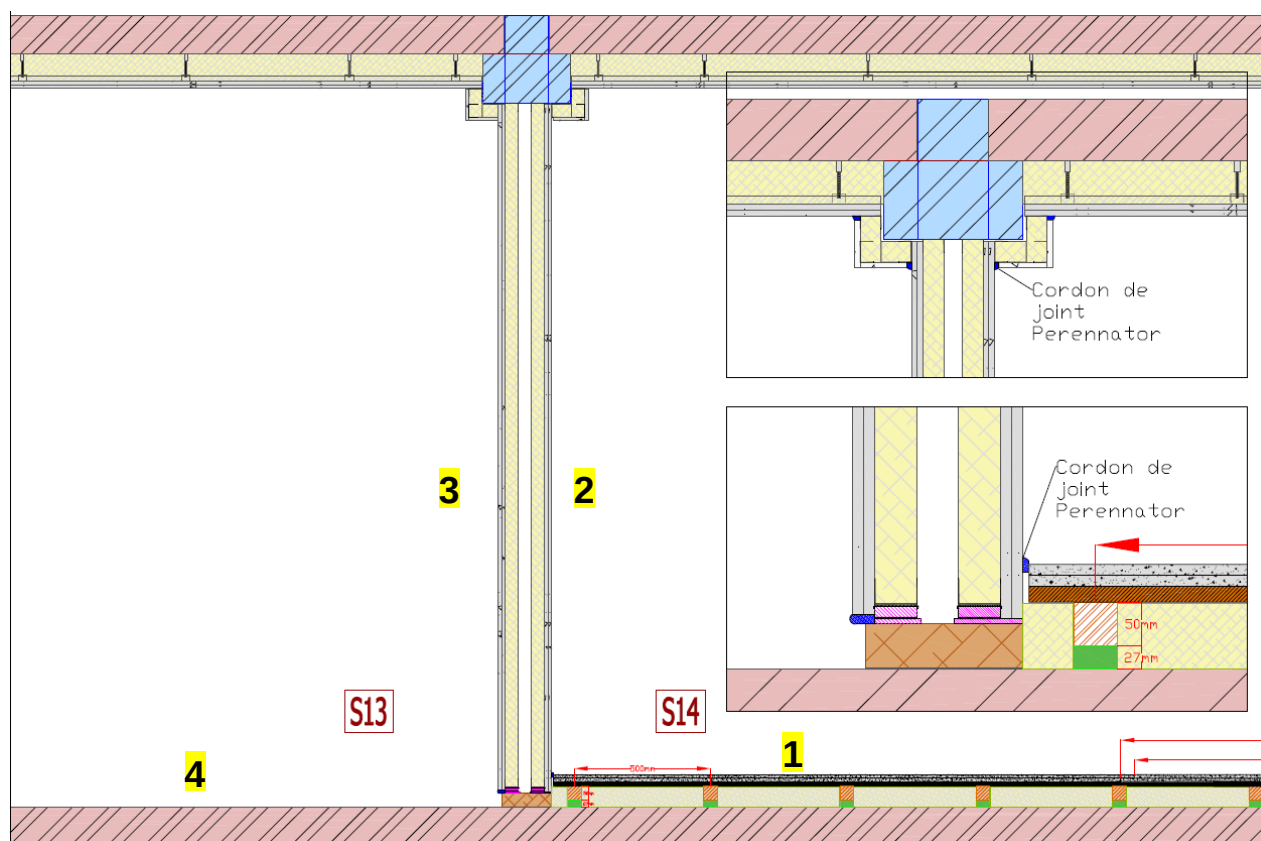


Figure 10 : S13-S14 - Vertical sectional view.

Synthesis:

Element 1: S14 - floor.

Fermacell + OSB plates supported on vibration isolators (resilient channels). Glass wool in cavity between decking and the CLT structure.

Element 2: S14 - partition wall.

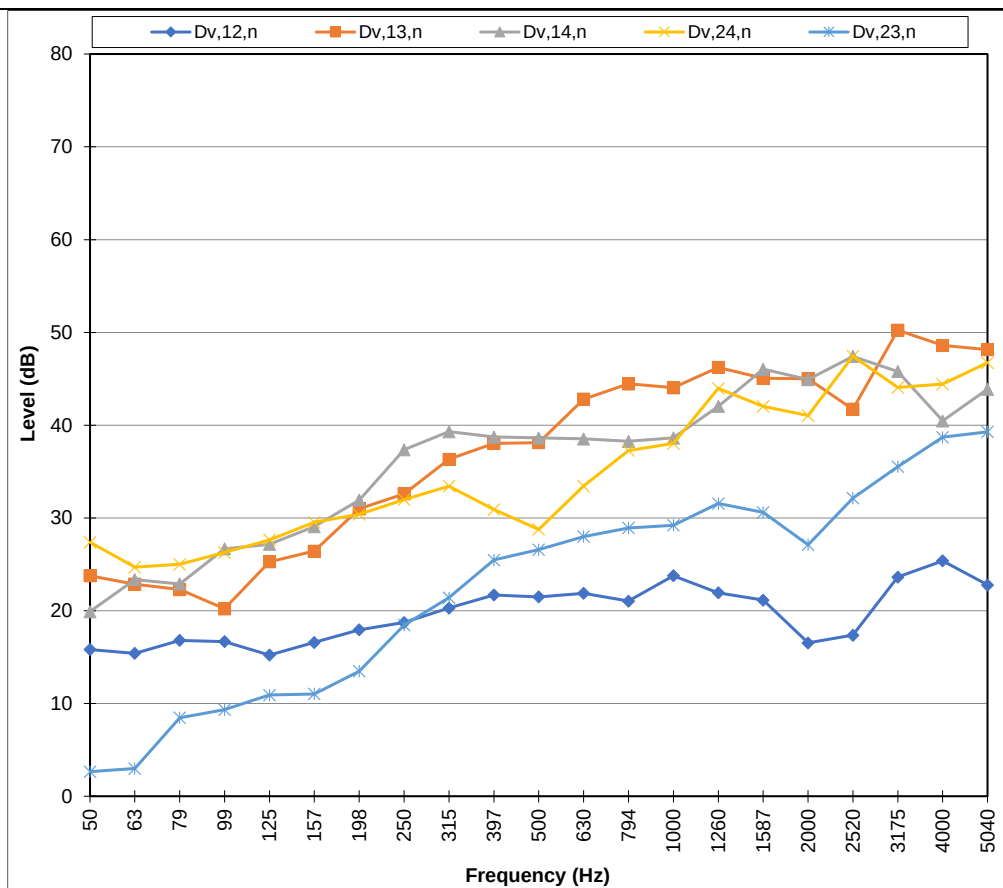
Element 3: S13 - partition wall.

2 plasterboard layers, BA13dB PREGYPLAC (SINIAT). Framework PREGYMETAL R48 / M48 with glass wool PAR PHONIC 45 (ISOVER). Supported on AMC vibration isolators (Sylomer EP 500 + S35 AMC)

Element 4: S13 - floor.

CLT support.

Configuration 8 Bis: measurement on April 11th, 2023.



Frequency (Hz)	D _{v,12,n} (dB)	D _{v,13,n} (dB)	D _{v,14,n} (dB)	D _{v,24,n} (dB)	D _{v,23,n} (dB)
50	16	24	20	27	3
63	15	23	23	25	3
79	17	22	23	25	8
99	17	20	27	26	9
125	15	25	27	28	11
157	17	26	29	30	11
198	18	31	32	30	13
250	19	33	37	32	18
315	20	36	39	33	21
397	22	38	39	31	25
500	22	38	39	29	27
630	22	43	39	33	28
794	21	44	38	37	29
1000	24	44	39	38	29
1260	22	46	42	44	32
1587	21	45	46	42	31
2000	17	45	45	41	27
2520	17	42	47	47	32
3175	24	50	46	44	36
4000	25	49	40	44	39
5040	23	48	44	47	39