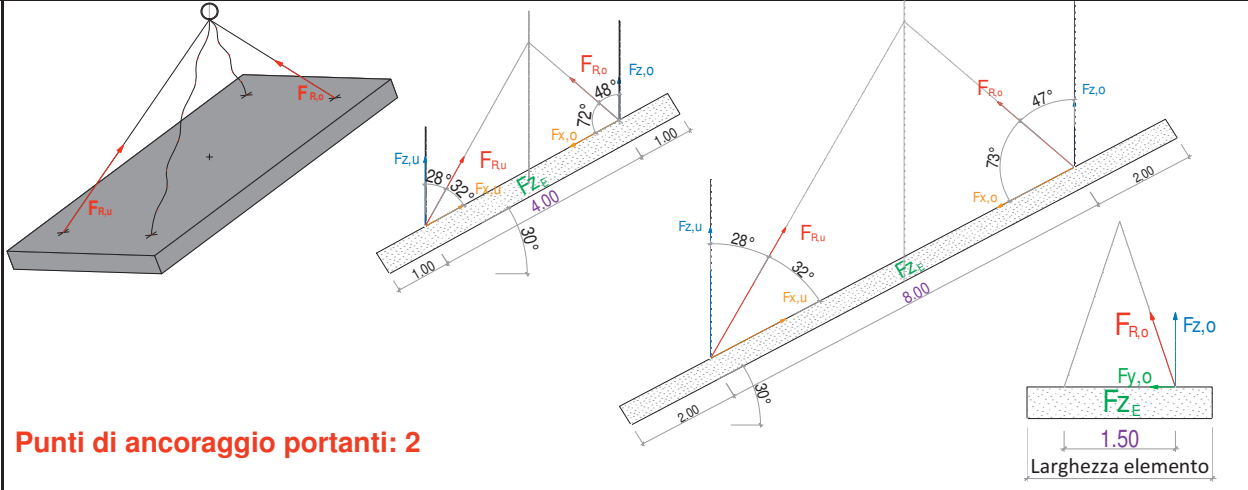


Carichi di sollevamento di elementi per tetti in pendenza

Valore caratteristico del carico dell'elemento Fz-E [kN]



Punti di ancoraggio portanti: 2

Materiale: controlistellatura 2 kg/m², foglio per sottotetto 0.2 kg/m², isolamento supplementare 240 kg/m³, corrente 500 kg/m³, isolamento intercapedine in fibra di cellulosa 60 kg/m³, pannello a 3 strati a incollaggio statico 15 kg/m², freno vapore 0.2 kg/m², griglia di installazione 2 kg/m² (a = 500 mm).

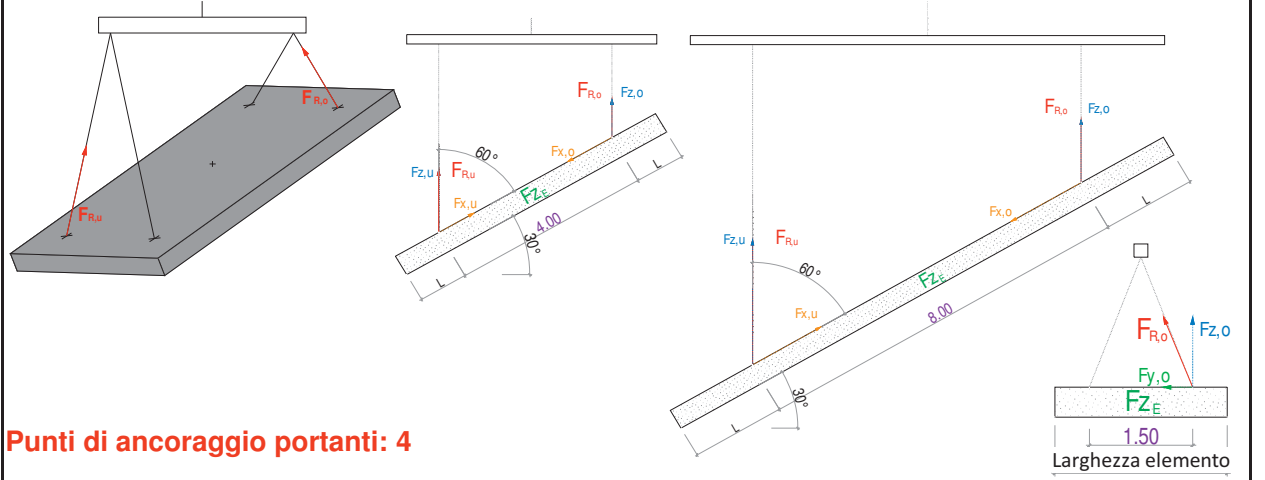
		Lunghezza elemento [m]																																																																																																											
		5.0		6.0		7.0		8.0		9.0		10.0		11.0		12.0		13.0		14.0																																																																																									
Imbracatura F...		u	o	u	o	u	o	u	o	u	o	u	o	u	o	u	o	u	o	u	o																																																																																								
Lunghezza fune ca. =		4.0	2.3	4.0	2.3	4.0	2.3	4.0	2.3	4.0	2.3	8.0	4.5	8.0	4.5	8.0	4.5	8.0	4.5	8.0	4.5																																																																																								
x =		4.0										8.0																																																																																																	
DN α =		30										30																																																																																																	
Standard di isolamento (valore U) = 0.19 W/m ² K (quota legno 12.8%) 	Peso elemento [kN/m ²] 0.50	Larghezza elemento [m]	2	Fz-E	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	Fz	2.5	2.5	3.0	3.0	3.5	3.5	4.0	4.0	4.5	4.5	5.0	5.0	5.5	5.5	6.0	6.0	6.5	6.5	7.0	7.0	Fx	4.0	0.8	4.8	1.0	5.6	1.1	6.4	1.3	7.2	1.4	7.9	1.5	8.7	1.7	9.5	1.8	10.3	2.0	11.0	2.1	Fy	0.9	0.9	1.1	1.1	1.3	1.3	1.4	1.4	1.6	1.6	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.2	FR	4.8	2.8	5.8	3.3	6.7	3.9	7.7	4.4	8.6	5.0	9.4	5.3	10.3	5.8	11.3	6.4	12.2	6.9	13.1	7.4											
				2.5	Fz-E	6.3	7.5	8.8	10.0	11.3	12.5	13.8	15.0	16.3	17.5	Fz	3.2	3.2	3.8	3.8	4.4	4.4	5.0	5.0	5.7	5.7	6.3	6.3	6.9	6.9	7.5	7.5	8.2	8.2	8.8	8.8	Fx	5.1	1.0	6.1	1.2	7.0	1.4	8.0	1.6	9.1	1.8	9.9	1.9	10.9	2.1	11.8	2.3	12.9	2.5	13.9	2.6	Fy	1.2	1.2	1.4	1.4	1.6	1.6	1.8	1.8	2.1	2.1	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.6	1.6	FR	6.1	3.6	7.3	4.2	8.5	4.9	9.6	5.6	11.0	6.3	11.8	6.7	12.9	7.3	14.1	7.9	15.4	8.7	16.5	9.3										
					Standard di isolamento (valore U) = 0.14 W/m ² K (quota legno 12.8%) 	Peso elemento [kN/m ²] 0.64	Larghezza elemento [m]	2	Fz-E	6.4	7.7	9.0	10.3	11.6	12.8	14.1	15.4	16.7	18.0	Fz	3.2	3.2	3.9	3.9	4.5	4.5	5.2	5.2	5.8	5.8	6.4	6.4	7.1	7.1	7.7	7.7	8.4	8.4	9.0	9.0	Fx	5.1	1.0	6.2	1.3	7.2	1.4	8.3	1.7	9.3	1.9	10.1	1.9	11.2	2.1	12.2	2.3	13.3	2.5	14.2	2.7	Fy	1.2	1.2	1.4	1.4	1.6	1.6	1.9	1.9	2.1	2.1	1.1	1.1	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	FR	6.1	3.6	7.5	4.3	8.6	5.0	10.0	5.8	11.1	6.4	12.0	6.8	13.3	7.5	14.5	8.2	15.8	8.9	16.9	9.5						
									2.5	Fz-E	8.0	9.6	11.2	12.8	14.4	16.0	17.6	19.2	20.8	22.4	Fz	4.0	4.0	4.8	4.8	5.6	5.6	6.4	6.4	7.2	7.2	8.0	8.0	8.8	8.8	9.6	9.6	10.4	10.4	11.2	11.2	Fx	6.4	1.3	7.7	1.5	9.0	1.8	10.2	2.1	11.5	2.3	12.6	2.4	13.9	2.6	15.2	2.9	16.4	3.1	17.7	3.4	Fy	1.4	1.4	1.7	1.7	2.0	2.0	2.3	2.3	2.6	2.6	1.4	1.4	1.6	1.6	1.7	1.7	1.8	1.8	2.0	2.0	FR	7.7	4.4	9.2	5.3	10.8	6.2	12.3	7.1	13.8	8.0	15.0	8.5	16.5	9.3	18.0	10.2	19.5	11.0	21.0	11.9					
										Standard di isolamento (valore U) = 0.115 W/m ² K (quota legno 12.8%) 	Peso elemento [kN/m ²] 0.76	Larghezza elemento [m]	2	Fz-E	7.6	9.2	10.7	12.2	13.7	15.2	16.8	18.3	19.8	21.3	Fz	3.8	3.8	4.6	4.6	5.4	5.4	6.1	6.1	6.9	6.9	7.6	7.6	8.4	8.4	9.2	9.2	9.9	9.9	10.7	10.7	Fx	6.1	1.2	7.4	1.5	8.6	1.7	9.8	2.0	11.0	2.2	12.0	2.3	13.3	2.5	14.5	2.8	15.6	3.0	16.9	3.2	Fy	1.4	1.4	1.7	1.7	1.9	1.9	2.2	2.2	2.5	2.5	1.3	1.3	1.5	1.5	1.6	1.6	1.7	1.7	1.9	1.9	FR	7.3	4.2	8.8	5.1	10.4	6.0	11.7	6.8	13.3	7.7	14.3	8.0	15.8	8.9	17.3	9.7	18.6	10.5	20.1	11.3	
														2.5	Fz-E	9.5	11.4	13.3	15.2	17.1	19.0	20.9	22.8	24.7	26.6	Fz	4.8	4.8	5.7	5.7	6.7	6.7	7.6	7.6	8.6	8.6	9.5	9.5	10.5	10.5	11.4	11.4	12.4	12.4	13.3	13.3	Fx	7.7	1.5	9.1	1.8	10.7	2.2	12.2	2.4	13.8	2.8	15.0	2.9	16.6	3.2	18.0	3.4	19.6	3.7	21.0	4.0	Fy	1.7	1.7	2.1	2.1	2.4	2.4	2.7	2.7	3.1	3.1	1.7	1.7	1.8	1.8	2.0	2.0	2.2	2.2	2.3	2.3	FR	9.2	5.3	11.0	6.3	12.9	7.4	14.6	8.4	16.5	9.6	17.8	10.1	19.7	11.1	21.4	12.1	23.3	13.1	25.0	14.1
	Standard di isolamento (valore U) = 0.115 W/m ² K (quota legno 12.8%) 	Peso elemento [kN/m ²] 1.00	Larghezza elemento [m]												2	Fz-E	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	Fz	5.0	5.0	6.0	6.0	7.0	7.0	8.0	8.0	9.0	9.0	10.0	10.0	11.0	11.0	12.0	12.0	13.0	13.0	14.0	14.0	Fx	8.0	1.6	9.6	1.9	11.2	2.3	12.8	2.6	14.4	2.9	15.8	3.0	17.4	3.3	18.9	3.6	20.5	3.9	22.1	4.2	Fy	1.8	1.8	2.2	2.2	2.5	2.5	2.9	2.9	3.2	3.2	1.8	1.8	1.9	1.9	2.1	2.1	2.3	2.3	2.5	2.5	FR	9.6	5.6	11.5	6.7	13.5	7.8	15.4	8.9	17.3	10.0	18.8	10.6	20.6	11.6	22.5	12.7	24.4	13.8	26.3
				2.5												Fz-E	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0	32.5	35.0	Fz	6.3	6.3	7.5	7.5	8.8	8.8	10.0	10.0	11.3	11.3	12.5	12.5	13.8	13.8	15.0	15.0	16.3	16.3	17.5	17.5	Fx	10.1	2.0	12.0	2.4	14.1	2.8	16.0	3.2	18.1	3.6	19.7	3.8	21.8	4.1	23.7	4.5	25.7	4.9	27.6	5.3	Fy	2.3	2.3	2.7	2.7	3.2	3.2	3.6	3.6	4.1	4.1	2.2	2.2	2.4	2.4	2.6	2.6	2.9	2.9	3.1	3.1	FR	12.1	7.0	14.4	8.3	16.9	9.8	19.2	11.1	21.7	12.6	23.5	13.2	25.9	14.6	28.1	15.9	30.6	17.3	32.8

Possibile solo il download: www.suva.ch/waswo/66135/3.i

Tabelle di carico realizzate dall'Alta scuola specializzata bernese (si declina ogni responsabilità per eventuali errori)

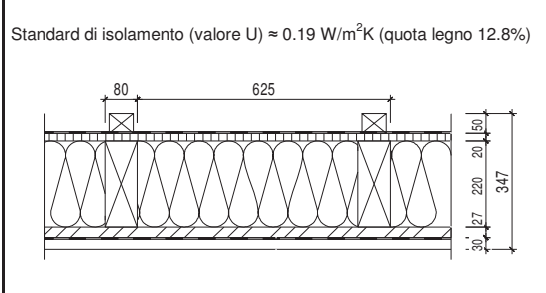
Carichi di sollevamento di elementi per tetti in pendenza

Valore caratteristico del carico dell'elemento Fz-E [kN]



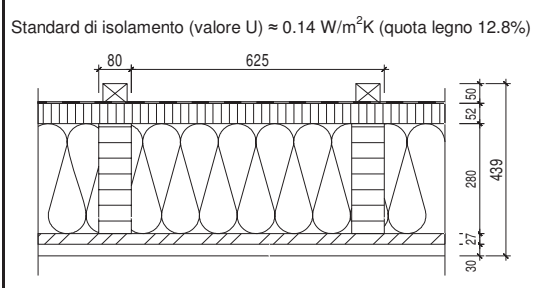
Materiale: controlistellatura 2 kg/m², foglio per sottotetto 0.2 kg/m², isolamento supplementare 240 kg/m³, corrente 500 kg/m³, isolamento intercapedine in fibra di cellulosa 60 kg/m³, pannello a 3 strati a incollaggio statico 15 kg/m², freno vapore 0.2 kg/m², griglia di installazione 2 kg/m² (a = 500 mm).

Lunghezza elemento [m]		5.0		6.0		7.0		8.0		9.0		10.0		11.0		12.0		13.0		14.0		
Imbracatura F...	u	o	u	o	u	o	u	o	u	o	u	o	u	o	u	o	u	o	u	o	u	o
Lunghezza fune ca. =	4.0	2.1	4.0	2.1	4.0	2.1	4.0	2.1	4.0	2.1	7.0	3.2	7.0	3.2	7.0	3.2	7.0	3.2	7.0	3.2	7.0	3.2
x =	4.0										8.0											
DN α =	30										30											



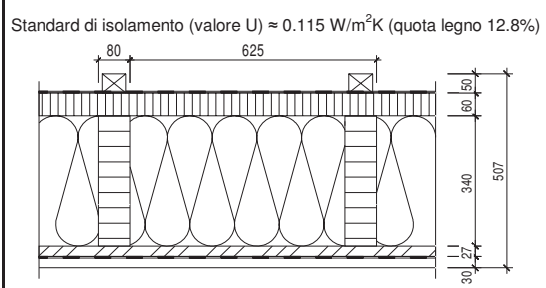
Peso elemento [kN/m²]
0.50

Larghezza elemento [m]	Lunghezza elemento [m]																					
	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0		
2	Fz-E	5.0	5.0	6.0	6.0	7.0	7.0	8.0	8.0	9.0	9.0	10.0	10.0	11.0	11.0	12.0	12.0	13.0	13.0	14.0	14.0	
2.5	Fz	1.3	1.3	1.5	1.5	1.8	1.8	2.0	2.0	2.3	2.3	2.5	2.5	2.8	2.8	3.0	3.0	3.3	3.3	3.5	3.5	
	Fx	0.8	0.7	0.9	0.9	1.0	1.0	1.2	1.2	1.3	1.3	1.4	1.4	1.6	1.6	1.7	1.7	1.9	1.9	2.0	2.0	
	Fy	0.3	0.6	0.3	0.7	0.4	0.8	0.4	0.9	0.5	1.0	0.3	0.7	0.3	0.8	0.4	0.9	0.4	0.9	0.4	1.0	
	FR	1.5	1.6	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.0	3.3	3.5	3.6	3.8	3.9	4.1	4.1	4.2	



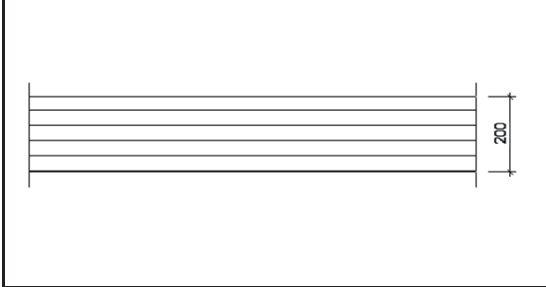
Peso elemento [kN/m²]
0.64

Larghezza elemento [m]	Lunghezza elemento [m]																					
	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0		
2	Fz-E	6.4	6.4	7.7	7.7	9.0	9.0	10.3	10.3	11.6	11.6	12.8	12.8	14.1	14.1	15.4	15.4	16.7	16.7	18.0	18.0	
2.5	Fz	1.6	1.6	2.0	2.0	2.3	2.3	2.6	2.6	2.9	2.9	3.2	3.2	3.6	3.6	3.9	3.9	4.2	4.2	4.5	4.5	
	Fx	0.9	0.9	1.2	1.2	1.3	1.3	1.5	1.5	1.7	1.7	1.8	1.8	2.1	2.1	2.2	2.2	2.4	2.4	2.6	2.6	
	Fy	0.3	0.7	0.4	0.9	0.5	1.0	0.6	1.1	0.6	1.3	0.4	0.9	0.4	1.0	0.5	1.1	0.5	1.2	0.6	1.3	
	FR	1.9	2.0	2.4	2.5	2.7	2.8	3.1	3.2	3.4	3.6	3.7	3.8	4.2	4.3	4.5	4.6	4.9	5.0	5.2	5.4	



Peso elemento [kN/m²]
0.76

Larghezza elemento [m]	Lunghezza elemento [m]																					
	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0		
2	Fz-E	7.6	7.6	9.2	9.2	10.7	10.7	12.2	12.2	13.7	13.7	15.2	15.2	16.8	16.8	18.3	18.3	19.8	19.8	21.3	21.3	
2.5	Fz	1.9	1.9	2.3	2.3	2.7	2.7	3.1	3.1	3.5	3.5	3.8	3.8	4.2	4.2	4.6	4.6	5.0	5.0	5.4	5.4	
	Fx	1.1	1.1	1.3	1.3	1.6	1.6	1.8	1.8	2.0	2.0	2.2	2.2	2.4	2.4	2.7	2.7	2.9	2.9	3.1	3.1	
	Fy	0.4	0.8	0.5	1.0	0.6	1.2	0.7	1.4	0.8	1.5	0.5	1.1	0.5	1.2	0.6	1.3	0.6	1.4	0.7	1.5	
	FR	2.2	2.3	2.7	2.8	3.2	3.3	3.6	3.8	4.1	4.3	4.4	4.5	4.9	5.0	5.3	5.5	5.8	5.9	6.3	6.4	



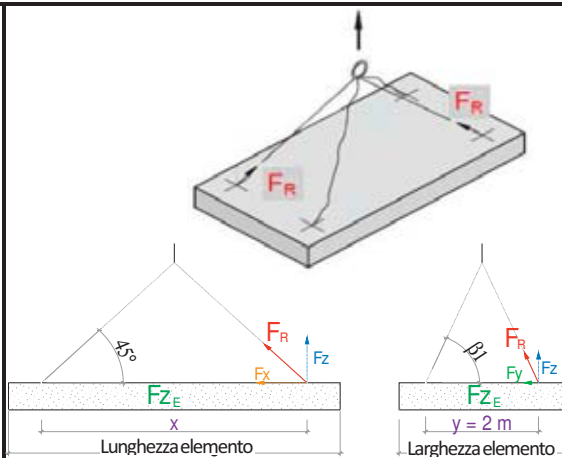
Peso elemento [kN/m²]
1.00

Larghezza elemento [m]	Lunghezza elemento [m]																					
	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0		
2	Fz-E	10.0	10.0	12.0	12.0	14.0	14.0	16.0	16.0	18.0	18.0	20.0	20.0	22.0	22.0	24.0	24.0	26.0	26.0	28.0	28.0	
2.5	Fz	2.5	2.5	3.0	3.0	3.5	3.5	4.0	4.0	4.5	4.5	5.0	5.0	5.5	5.5	6.0	6.0	6.5	6.5	7.0	7.0	
	Fx	1.4	1.4	1.7	1.7	2.0	2.0	2.3	2.3	2.6	2.6	2.9	2.9	3.2	3.2	3.5	3.5	3.7	3.7	4.0	4.0	
	Fy	0.5	1.1	0.7	1.3	0.8	1.5	0.9	1.8	1.0	2.0	0.6	1.4	0.7	1.6	0.7	1.7	0.8	1.9	0.9	2.0	
	FR	2.9	3.1	3.5	3.7	4.1	4.3	4.7	4.9	5.3	5.6	5.8	5.9	6.4	6.5	7.0	7.1	7.5	7.7	8.1	8.3	

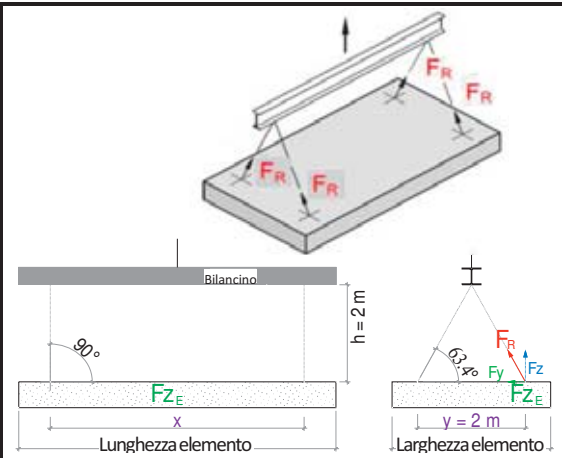
Possibile solo il download: www.suva.ch/waswo/66135/3.i Tabelle di carico realizzate dall'Alta scuola specializzata bernese (si declina ogni responsabilità per eventuali errori)

Carichi di sollevamento di elementi per tetti piani

Valore caratteristico del carico dell'elemento Fz-E [kN]

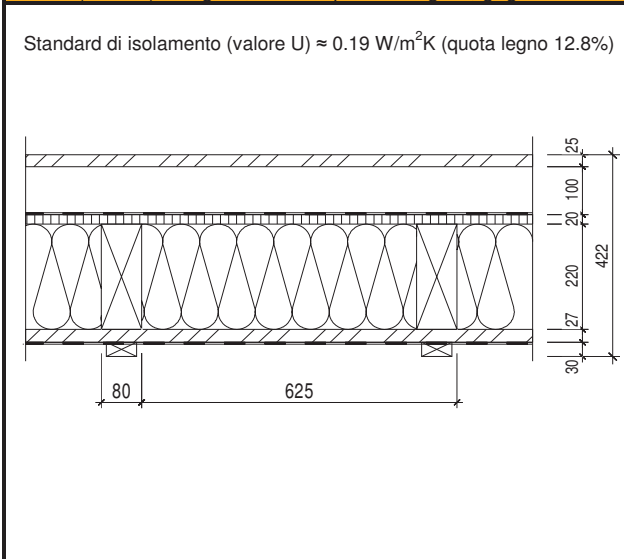


Punti di ancoraggio portanti: 2

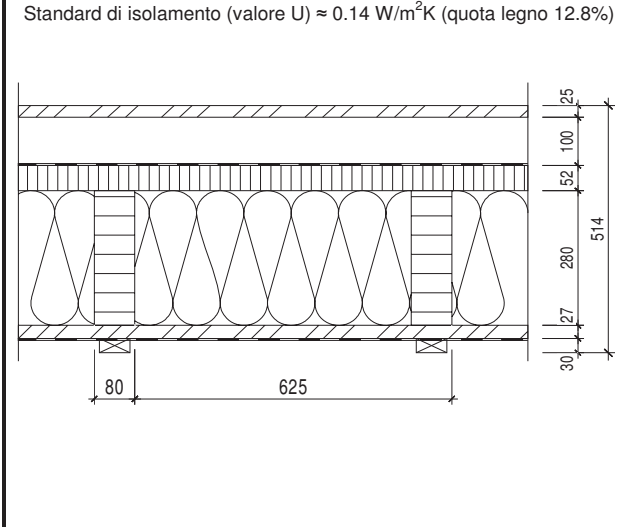


Punti di ancoraggio portanti: 4

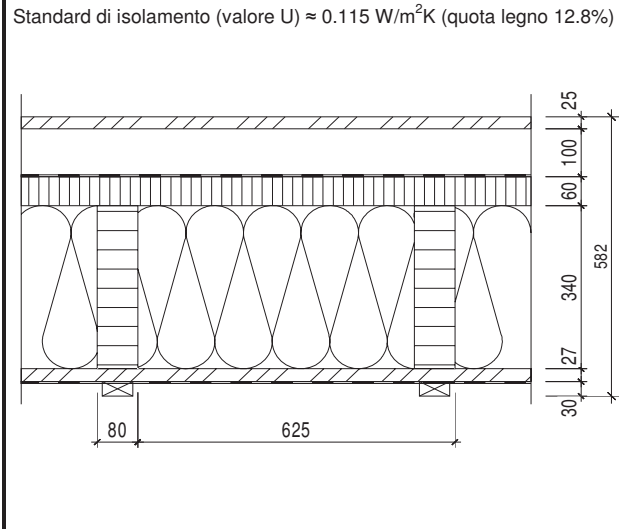
Materiale: OSB (25 mm) 15 kg/m², listellatura ventilata 60/100 mm (a = 625 mm) 5 kg/m², foglio per sottotetto 0.2 kg/m², isolamento supplementare 240 kg/m³, trave 500 kg/m³, isolamento intercapedine in fibra di cellulosa 60 kg/m³, pannello a 3 strati (27 mm) 15 kg/m², freno vapore 0.2 kg/m², griglia di installazione 2 kg/m².



Standard di isolamento (valore U) ≈ 0.19 W/m²K (quota legno 12.8%)



Standard di isolamento (valore U) ≈ 0.14 W/m²K (quota legno 12.8%)



Standard di isolamento (valore U) ≈ 0.115 W/m²K (quota legno 12.8%)

		Lunghezza elemento [m]																							
		5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	Lunghezza elemento [m]													
		x = 3	4	5	6	7	8	9	10	11	12	x = 3	4	5	6	7	8	9	10	11	12				
Peso elemento [kN/m ²]	Larghezza elemento [m]	0.66																							
		2	Fz-E	6.6	8.0	9.3	10.6	11.9	13.2	14.6	15.9	17.2	18.5	Fz-E	6.6	8.0	9.3	10.6	11.9	13.2	14.6	15.9	17.2	18.5	
		Fz	3.3	4.0	4.7	5.3	6.0	6.6	7.3	8.0	8.6	9.3	Fz	1.7	2.0	2.4	2.7	3.0	3.3	3.7	4.0	4.3	4.7		
		Fx	3.3	4.0	4.7	5.3	6.0	6.6	7.3	8.0	8.6	9.3	Fy	0.9	1.0	1.2	1.4	1.5	1.7	1.9	2.0	2.2	2.4		
		Fy	2.2	2.0	1.9	1.8	1.7	1.7	1.6	1.6	1.6	1.6	FR	2.3	3.0	4.0	5.1	6.2	7.6	9.3	11.0	12.8	15.0		
		FR	5.2	6.0	6.9	7.7	8.7	9.5	10.5	11.4	12.3	13.2	Fz-E	8.3	9.9	11.6	13.2	14.9	16.5	18.2	19.8	21.5	23.1		
		2.5	Fz-E	8.3	9.9	11.6	13.2	14.9	16.5	18.2	19.8	21.5	23.1	Fz-E	8.3	9.9	11.6	13.2	14.9	16.5	18.2	19.8	21.5	23.1	
		Fz	4.2	5.0	5.8	6.6	7.5	8.3	9.1	9.9	10.8	11.6	Fz	2.1	2.5	2.9	3.3	3.8	4.2	4.6	5.0	5.4	5.8		
		Fx	4.2	5.0	5.8	6.6	7.5	8.3	9.1	9.9	10.8	11.6	Fy	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9		
		Fy	2.8	2.5	2.3	2.2	2.1	2.1	2.0	2.0	2.0	1.9	FR	2.8	3.8	4.9	6.2	7.9	9.6	11.6	13.7	16.0	18.6		
		FR	6.6	7.5	8.5	9.6	10.8	11.9	13.0	14.1	15.4	16.5	Fz-E	9.9	11.9	13.9	15.9	17.9	19.8	21.8	23.8	25.8	27.8		
		3	Fz-E	9.9	11.9	13.9	15.9	17.9	19.8	21.8	23.8	25.8	27.8	Fz-E	9.9	11.9	13.9	15.9	17.9	19.8	21.8	23.8	25.8	27.8	
Fz	5.0	6.0	7.0	8.0	9.0	9.9	10.9	11.9	12.9	13.9	Fz	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0				
Fx	5.0	6.0	7.0	8.0	9.0	9.9	10.9	11.9	12.9	13.9	Fy	1.3	1.5	1.8	2.0	2.3	2.5	2.8	3.0	3.3	3.5				
Fy	3.3	3.0	2.8	2.7	2.6	2.5	2.4	2.4	2.3	2.3	FR	3.4	4.5	5.9	7.5	9.3	11.5	13.8	16.4	19.3	22.4				
FR	7.8	9.0	10.3	11.6	13.0	14.2	15.6	17.0	18.4	19.8	Fz-E	11.6	13.9	16.2	18.5	20.8	23.1	25.5	27.8	30.1	32.4				
3.5	Fz-E	11.6	13.9	16.2	18.5	20.8	23.1	25.5	27.8	30.1	32.4	Fz-E	11.6	13.9	16.2	18.5	20.8	23.1	25.5	27.8	30.1	32.4			
Fz	5.8	7.0	8.1	9.3	10.4	11.6	12.8	13.9	15.1	16.2	Fz	2.9	3.5	4.1	4.7	5.2	5.8	6.4	7.0	7.6	8.1				
Fx	5.8	7.0	8.1	9.3	10.4	11.6	12.8	13.9	15.1	16.2	Fy	1.5	1.8	2.1	2.4	2.6	2.9	3.2	3.5	3.8	4.1				
Fy	3.9	3.5	3.2	3.1	3.0	2.9	2.8	2.8	2.7	2.7	FR	3.9	5.3	6.9	8.8	10.8	13.3	16.1	19.2	22.6	25.9				
FR	9.1	10.5	11.9	13.5	15.0	16.7	18.3	19.9	21.5	23.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7				
2	Fz-E	7.6	9.2	10.7	12.2	13.7	15.2	16.8	18.3	19.8	21.3	Fz-E	7.6	9.2	10.7	12.2	13.7	15.2	16.8	18.3	19.8	21.3			
Fz	3.8	4.6	5.4	6.1	6.9	7.6	8.4	9.2	9.9	10.7	Fz	1.9	2.3	2.7	3.1	3.5	3.8	4.2	4.6	5.0	5.4				
Fx	3.8	4.6	5.4	6.1	6.9	7.6	8.4	9.2	9.9	10.7	Fy	1.0	1.2	1.4	1.6	1.8	1.9	2.1	2.3	2.5	2.7				
Fy	2.5	2.3	2.2	2.0	2.0	1.9	1.9	1.8	1.8	1.8	FR	2.6	3.5	4.5	5.8	7.3	8.7	10.6	12.6	14.8	17.3				
FR	5.9	6.9	7.9	8.9	10.0	10.9	12.0	13.1	14.1	15.2	Fz-E	9.5	11.4	13.3	15.2	17.1	19.0	20.9	22.8	24.7	26.6				
2.5	Fz-E	9.5	11.4	13.3	15.2	17.1	19.0	20.9	22.8	24.7	26.6	Fz-E	9.5	11.4	13.3	15.2	17.1	19.0	20.9	22.8	24.7	26.6			
Fz	4.8	5.7	6.7	7.6	8.6	9.5	10.5	11.4	12.4	13.3	Fz	2.4	2.9	3.4	3.8	4.3	4.8	5.3	5.7	6.2	6.7				
Fx	4.8	5.7	6.7	7.6	8.6	9.5	10.5	11.4	12.4	13.3	Fy	1.2	1.5	1.7	1.9	2.2	2.4	2.7	2.9	3.1	3.4				
Fy	3.2	2.9	2.7	2.5	2.4	2.3	2.3	2.3	2.2	2.2	FR	3.2	4.4	5.7	7.1	8.9	11.0	13.3	15.6	18.4	21.5				
FR	7.5	8.6	9.8	11.0	12.4	13.6	15.0	16.3	17.7	18.9	Fz-E	11.4	13.7	16.0	18.3	20.6	22.8	25.1	27.4	29.7	32.0				
3	Fz-E	11.4	13.7	16.0	18.3	20.6	22.8	25.1	27.4	29.7	32.0	Fz-E	11.4	13.7	16.0	18.3	20.6	22.8	25.1	27.4	29.7	32.0			
Fz	5.7	6.9	8.0	9.2	10.3	11.4	12.6	13.7	14.9	16.0	Fz	2.9	3.5	4.0	4.6	5.2	5.7	6.3	6.9	7.5	8.0				
Fx	5.7	6.9	8.0	9.2	10.3	11.4	12.6	13.7	14.9	16.0	Fy	1.5	1.8	2.0	2.3	2.6	2.9	3.2	3.5	3.8	4.0				
Fy	3.8	3.5	3.2	3.1	2.9	2.9	2.8	2.7	2.7	2.7	FR	3.9	5.3	6.7	8.6	10.8	13.1	15.8	18.9	22.3	25.6				
FR	8.9	10.4	11.8	13.4	14.9	16.4	18.0	19.6	21.2	22.8	Fz-E	13.3	16.0	18.7	21.3	24.0	26.6	29.3	32.0	34.6	37.3				
3.5	Fz-E	13.3	16.0	18.7	21.3	24.0	26.6	29.3	32.0	34.6	37.3	Fz-E	13.3	16.0	18.7	21.3	24.0	26.6	29.3	32.0	34.6	37.3			
Fz	6.7	8.0	9.4	10.7	12.0	13.3	14.7	16.0	17.3	18.7	Fz	3.4	4.0	4.7	5.4	6.0	6.7	7.4	8.0	8.7	9.4				
Fx	6.7	8.0	9.4	10.7	12.0	13.3	14.7	16.0	17.3	18.7	Fy	1.7	2.0	2.4	2.7	3.0	3.4	3.7	4.0	4.4	4.7				
Fy	4.5	4.0	3.8	3.6	3.4	3.3	3.3	3.2	3.1	3.1	FR	4.6	6.0	7.9	10.1	12.5	15.4	18.6	21.9	25.8	30.1				
FR	10.5	12.0	13.8	15.5	17.3	19.1	21.0	22.9	24.7	26.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7				
2	Fz-E	8.5	10.2	11.9	13.6	15.3	17.0	18.7	20.4	22.1	23.8	Fz-E	8.5	10.2	11.9	13.6	15.3	17.0	18.7	20.4	22.1	23.8			
Fz	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1	11.9	Fz	2.2	2.6	3.0	3.4	3.9	4.3	4.7	5.1	5.6	6.0				
Fx	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1	11.9	Fy	1.1	1.3	1.5	1.7	2.0	2.2	2.4	2.6	2.8	3.0				
Fy	2.9	2.6	2.4	2.3	2.2	2.1	2.1	2.0	2.0	2.0	FR	3.0	3.9	5.0	6.4	8.1	9.9	11.8	14.0	16.6	19.2				
FR	6.7	7.7	8.8	9.9	11.1	12.2	13.5	14.6	15.8	16.9	Fz-E	10.7	12.8	14.9	17.0	19.2	21.3	23.4	25.5	27.7	29.8				
2.5	Fz-E	10.7	12.8	14.9	17.0	19.2	21.3	23.4	25.5	27.7	29.8	Fz-E	10.7	12.8	14.9	17.0	19.2	21.3	23.4	25.5	27.7	29.8			
Fz	5.4	6.4	7.5	8.5	9.6	10.7	11.7	12.8	13.9	14.9	Fz	2.7	3.2	3.8	4.3	4.8	5.4	5.9	6.4	7.0	7.5				
Fx	5.4	6.4	7.5	8.5	9.6	10.7	11.7	12.8	13.9	14.9	Fy	1.4	1.6	1.9	2.2	2.4	2.7	3.0	3.2	3.5	3.8				
Fy	3.6	3.2	3.0	2.8	2.7	2.7	2.6	2.6	2.5	2.5	FR	3.6	4.8	6.4	8.0	10.0	12.4	14.8	17.5	20.8	24.0				
FR	8.4	9.6	11.0	12.4	13.9	15.4	16.7	18.3	19.8	21.2	Fz-E	12.8	15.3	17.9	20.4	23.0	25.5	28.1	30.6	33.2	35.7				
3	Fz-E	12.8	15.3	17.9	20.4	23.0	25.5	28.1	30.6	33.2	35.7	Fz-E	12.8	15.3	17.9	20.4	23.0	25.5	28.1	30.6	33.2	35.7			
Fz	6.4	7.7	9.0	10.2	11.5	12.8	14.1	15.3	16.6	17.9	Fz	3.2	3.9	4.5	5.1	5.8	6.4	7.1	7.7	8.3	9.0				
Fx	6.4	7.7	9.0	10.2	11.5	12.8	14.1	15.3	16.6	17.9	Fy	1.6	2.0	2.3	2.6	2.9	3.2	3.6	3.9	4.2	4.5				
Fy	4.3	3.9	3.6	3.4	3.3	3.2	3.1	3.1	3.0	3.0	FR	4.3	5.9	7.5	9.5	12.0	14.7	17.8	21.1	24.6	28.8				
FR	10.0	11.6	13.2	14.8	16.6	18.4	20.2	21.9	23.7	25.5	Fz-E	14.9	17.9	20.9	23.8	26.8	29.8	32.8	35.7	38.7	41.7				
3.5	Fz-E	14.9	17.9	20.9	23.8	26.8	29.8	32.8	35.7	38.7	41.7	Fz-E	14.9	17.9	20.9	23.8	26.8	29.8	32.8	35.7	38.7	41.7			
Fz	7.5	9.0																							