

Panel lay-ups

Type	Thickness (mm)	Layers	Panel lay-ups (mm)							Maximum span length for single-span beams		Mass (kg/m ²)
										Roof*	Ceiling**	
BSP 60	60	3s			20	20	20			2,8	2,2	27
BSP 80	80	3s			20	40	20			3,5	2,8	36
BSP 90	90	3s			30	30	30			4,0	3,2	40,5
BSP 100	100	3s			30	40	30			4,4	3,4	45
BSP 120	120	3s			40	40	40			5,3	4,1	54
BSP 100	100	5s	20		20	20	20	20		4,2	3,3	45
BSP 120	120	5s	20		20	40	20	20		4,9	3,8	54
BSP 140	140	5s	40		20	20	20	40		6,0	4,5	63
BSP 160	160	5s	40		20	40	20	40		6,7	4,9	72
BSP 180	180	5s	40		30	40	30	40		7,3	5,2	81
BSP 200	200	5s	40		40	40	40	40		7,8	5,5	90
BSP 220	220	7ss	40	40	20	20	20	40	40	9,1	6,2	99
BSP 240	240	7ss	40	40	20	40	20	40	40	9,8	6,5	108
BSP 260	260	7ss	40	40	30	40	30	40	40	10,4	6,8	117
BSP 280	280	7s / 7ss	40	40	40	40	40	40	40	10,0 / 10,9	6,6 / 7,2	126

The maximum span lengths listed are intended for preliminary design only and do not replace the static proof. Due to the density's natural variability, the quantified masses may vary up to ±15%. ss: outer layers consist of 2 longitudinal layers (l).

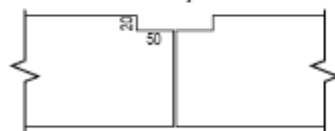
Duration of fire resistance

R0	R30	R60	R90
*only deflection 1,	$g_{1,k} = 0,5 \text{ kN/m}^2$		
	$S_k = 1,5 \text{ kN/m}^2$		
**with vibration 3,	$g_{1,k} = 1,5 \text{ kN/m}^2$		
	$Q_k = 2 \text{ kN/m}^2 \text{ A}$		

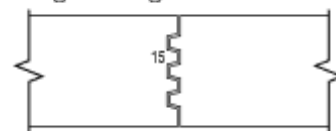
Pre-dimensioning is carried out according to EN 1995-1-1 and technical approval.

Narrow face joints

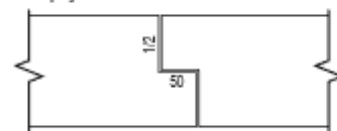
Double rebated joint



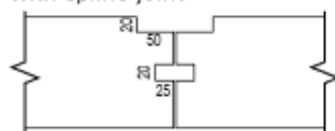
Tongue and groove



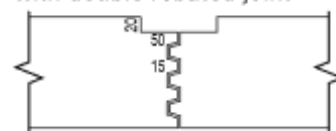
Step joint



Double rebated joint with spline joint



Tongue and groove with double rebated joint



X-Fix C with tongue and groove

