

SINGLE LAYER PANELS



Applied span in cm for a max. deflection of $f=l/300$ (charge distributed on m^2)

Thick. mm	charge 50 kg		100 kg		150 kg		200 kg		250 kg		300 kg		350 kg		400 kg	
	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi
13	49	-	39	-	34	-	31	-	x	-	x	-	x	-	x	-
15	56	50	45	40	39	35	35	32	33	30	31	x	x	x	x	x
18	59	64	48	51	42	45	38	41	35	38	33	35	31	34	30	32
27	97	79	77	63	67	55	61	50	57	46	53	43	51	41	48	39
40	132	-	105	-	92	-	83	-	77	-	73	-	69	-	66	-
50	189	-	150	-	131	-	119	-	111	-	104	-	99	-	95	-
Thick. mm	charge 450 kg		500 kg		550 kg		600 kg		700 kg		800 kg		900 kg		1000 kg	
	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi
13	x	-	x	-	x	-	x	-	x	-	x	-	x	-	x	-
15	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
18	x	31	x	30	x	x	x	x	x	x	x	x	x	x	x	x
27	47	38	45	37	44	36	42	35	40	33	38	31	37	30	36	x
40	64	-	61	-	59	-	58	-	55	-	52	-	50	-	49	-
50	91	-	88	-	85	-	83	-	78	-	75	-	72	-	70	-
Thick. mm	charge 1100 kg		1200 kg		1300 kg		1400 kg		1500 kg		1600 kg		1700 kg		1800 kg	
	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi
27	35	x	34	x	33	x	32	x	31	x	30	x	30	x	x	x
40	47	-	46	-	45	-	44	-	43	-	42	-	41	-	40	-
50	68	-	66	-	64	-	62	-	61	-	60	-	58	-	57	-
Thick. mm	charge 2000 kg		2500 kg		3000 kg		3500 kg		4000 kg		4500 kg		5000 kg		10000 kg	
	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi	Sp	Pi
40	39	-	36	-	34	-	32	-	31	-	30	-	x	-	x	-
50	55	-	51	-	48	-	46	-	44	-	42	-	41	-	32	-

Errors and omissions excepted - The tables are only for rating in advance and do not replace static calculation!

Sp = Spruce - Pi = Pine

