


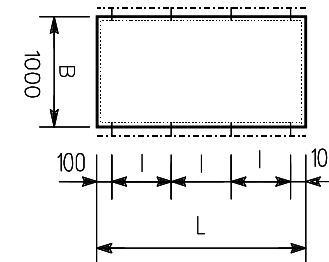





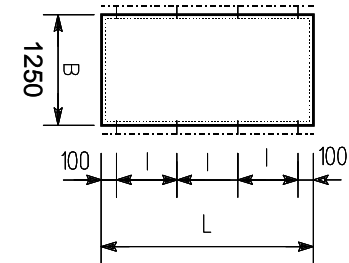
wind load pressure or suction  W (kN/m <sup>2</sup> )	max. Length of panel „L“ in mm panel thickness			returned edges in vertical direction		returned edges in horizontal direction reinforcing aluminium profile to avoid too long edges. W of the returned edges is not taken into account.						
	3 mm	4 mm	6 mm	t <sub>1</sub> [mm]	Force [kN] field (corner)	T [mm]	T [mm]	t [mm]	W <sub>required</sub> [cm <sup>3</sup> ]			
0.5	8000	8000	8000	25	0.13 (0.21)	45	25	25	0.27	25/15/2	15/15/2	15/15/2
0.6	7200	8000	8000	25	0.15 (0.25)	50	25	25	0.33	30/15/2	15/15/2	15/15/2
0.7	4850	8000	8000	25	0.18 (0.29)	55	30	30	0.38	30/15/2	20/20/2	15/15/2
0.8	4200	8000	8000	30	0.20 (0.33)	60	30	30	0.44	30/20/2	20/20/2	20/20/2
0.9	3100	4300	8000	30	0.23 (0.37)	65	30	30	0.49	40/15/2	20/20/2	20/20/2
1.0	2450	3650	8000	30	0.25 (0.42)	65	35	35	0.55	40/15/2	20/20/2	20/20/2
1.1	2050	3250	8000	35	0.28 (0.46)	70	35	35	0.60	40/15/2	20/20/2	20/20/2
1.2	1800	3000	8000	35	0.30 (0.50)	75	35	35	0.66	40/15/2	20/20/2	20/20/2
1.4	1450	2075	3550	40	0.35 (0.58)	80	40	40	0.77	40/20/2,5	25/25/2	20/20/2
1.6	1200	1675	2700	45	0.40 (0.67)	85	40	40	0.88	40/20/2,5	25/25/2	25/25/2
1.8	1050	1400	2375	45	0.45 (0.75)	90	45	40	0.99	40/20/3	25/25/2	25/25/2
2.0	925	1225	2175	45	0.50 (0.83)	95	50	40	1.10	40/20/3	25/25/2	25/25/2
2.2	825	1075	1700	50	0.55 (0.92)	100	55	40	1.21	50/15/2,5	30/20/2	25/25/2
2.4	750	975	1450	55	0.60 (1.00)	--	55	40	1.32	50/15/2,5	40/20/2	25/25/2
2.6	700	875	1275	55	0.65 (1.08)	--	60	40	1.43	50/25/2,5	40/20/2	30/20/2
2.8	650	800	1150	60	0.70 (1.17)	--	65	40	1.54	60/20/2,5	40/20/2	30/30/2
3.0	600	750	1050	65	0.75 (1.25)	--	70	40	1.64	60/20/2,5	40/20/2	30/30/2



**ALUCOBOND®**  
tray panel system,  
hooked on bolts  
**B = 1000 mm, L < 500 mm**

Note: the dimensioning in this table includes a safety factor of 1.75 for ALUCOBOND-panels and 3.0 for fixings

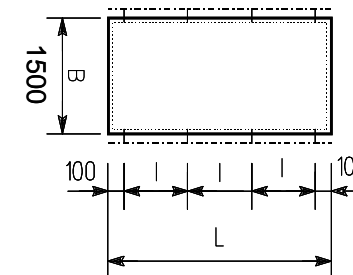
wind load pressure or suction  W (kN/m <sup>2</sup> )	max. Length of panel „L“ in mm panel thickness			returned edges in vertical direction		returned edges in horizontal direction reinforcing aluminium profile to avoid too long edges. W of the returned edges is not taken into account.						
	3 mm	4 mm	6 mm	t <sub>1</sub> [mm]	Force [kN] field (corner)	T [mm]	T [mm]	t [mm]	W <sub>required</sub> [cm <sup>3</sup> ]			
0.5	5900	8000	8000	25	0.16 (0.29)	65	35	35	0.54	40/15/2	20/20/2	20/20/2
0.6	3525	5800	8000	25	0.19 (0.34)	70	35	35	0.64	40/15/2	20/20/2	20/20/2
0.7	2700	4750	8000	35	0.22 (0.40)	80	40	40	0.75	40/15/2	30/20/2	20/20/2
0.8	2225	3600	8000	35	0.25 (0.46)	80	40	40	0.86	40/20/2,5	30/20/2	25/25/2
0.9	1875	2700	4775	40	0.28 (0.52)	90	45	40	0.96	40/20/2,5	30/20/2	25/25/2
1.0	1650	2300	4100	40	0.31 (0.57)	95	50	40	1.07	40/20/3	30/20/2	25/25/2
1.1	1475	2000	3575	40	0.34 (0.63)	100	50	40	1.18	40/25/3	30/20/2	25/25/2
1.2	1325	1775	3275	45	0.38 (0.69)	100	55	40	1.28	50/15/2,5	40/20/2	25/25/2
1.4	1125	1500	2325	45	0.44 (0.80)	--	65	40	1.50	60/20/2,5	40/20/2	30/30/2
1.6	975	1275	1875	50	0.48 (0.88)	--	70	40	1.64	60/20/2,5	40/20/2	30/30/2
1.8	850	1100	1600	50	0.56 (1.03)	--	75	40	1.93	60/20/2,5	40/20/2,5	30/30/2
2.0	775	975	1400	55	0.63 (1.15)	--	80	40	2.14	60/30/3	40/20/2,5	34/20/3
2.2	700	875	1250	55	0.69 (1.26)	--	90	40	2.36	60/30/3	30/30/3	34/20/3
2.4	650	800	1100	60	0.75 (1.38)	--	95	40	2.57	60/30/3	40/30/3	50/20/2
2,6	600	750	1025	60	0.81 (1.49)	--	100	40	2.78	80/25/2,5	40/30/3	50/20/2
2,8	575	700	925	65	0.88 (1.60)	--	--	--	3.00	80/25/2,5	40/30/3	50/20/2
3,0	550	650	875	65	0.94 (1.72)	--	--	--	3.21	80/25/2,5	40/30/3	40/30/2,5



**ALUCOBOND®**  
tray panel system,  
hooked on bolts  
**B = 1250 mm, L < 500 mm**

Note: the dimensioning in this table includes a safety factor of 1.75 for ALUCOBOND-panels and 3.0 for fixings

wind load pressure or suction  W (kN/m <sup>2</sup> )	max. Length of panel „L“ in mm panel thickness			returned edges in vertical direction		returned edges in horizontal direction reinforcing aluminium profile to avoid too long edges. W of the returned edges is not taken into account.			W <sub>required</sub> [cm <sup>3</sup> ]			
	3 mm	4 mm	6 mm	t <sub>1</sub> [mm]	Force [kN] field (corner)	T [mm]	T [mm]	t [mm]				
0.5	3200	5400	8000	30	0.19 (0.38)	85	45	40	0.93	40/20/2,5	25/25/2	25/25/2
0.6	2450	3500	8000	35	0.23 (0.45)	95	50	40	1.11	40/20/3	25/25/2	25/25/2
0.7	2025	2700	5300	35	0.26 (0.53)	100	55	40	1.30	50/15/2,5	25/25/3	25/25/2
0.8	1725	2300	4575	40	0.30 (0.60)	--	60	40	1.48	50/25/2,5	25/25/3	30/30/2
0.9	1525	1975	3500	40	0.34 (0.68)	--	70	40	1.67	60/20/2,5	40/20/2	30/30/2
1.0	1350	1775	2850	45	0.38 (0.75)	--	75	40	1.85	60/20/2,5	40/20/2	30/30/2
1.1	1225	1575	2450	45	0.41 (0.83)	--	80	40	2.04	60/25/2,5	40/20/2,5	34/20/3
1.2	1125	1475	2200	45	0.45 (0.90)	--	85	40	2.22	60/30/3	40/20/2,5	34/20/3
1.4	950	1225	1775	50	0.50 (1.00)	--	95	40	2.59	60/30/3	40/30/3	50/20/2
1.6	850	1075	1500	55	0.60 (1.20)	--	--	--	2.96	80/25/2,5	40/30/3	50/20/2
1,8	775	950	1325	55	0.67 (1.35)	--	--	--	3.33	80/25/2,5	40/30/3	40/30/2,5
2.0	700	850	1175	60	0.75 (1.50)	--	--	--	3.70	80/40/3	40/40/2,5	50/30/3
2.2	650	775	1050	65	0.82 (1.65)	--	--	--	4.07	80/40/3	50/30/3	50/30/3
2.4	625	725	975	65	0.90 (1.80)	--	--	--	4.44	80/40/3	50/30/3	50/30/3
2.6	575	700	900	70	0.95 (1.95)	--	--	--	4.81	100/50/3	50/30/3	50/30/3
2.8	500	650	850	75	1.05 (2.10)	--	--	--	5.18	100/50/3	40/40/4	50/30/3
3.0	475	575	800	75	1.13 (2.25)	--	--	--	5.55	100/50/3	40/40/4	50/30/3



**ALUCOBOND®**  
tray panel system,  
hooked on bolts  
**B = 1500 mm, L < 500 mm**

Note: the dimensioning in this table includes a safety factor of 1.75 for ALUCOBOND-panels and 3.0 for fixings