

Dimensioning of SWISS KRONO MAGNUMBOARD® OSB Wall Elements

For use in dry conditions, service class 1

The tables are for pre-dimensioning and do not replace the static calculation. Calculation of max. load acc. to EN 1991-1-1 and EN 1995-1-2

Used charring rate acc. to EN 1995-1-2: 0,75 mm/Min

> 280 to 380 cm with one horizontal gap

> 380 cm element upright with max. width of 280 cm

load: 80 % dead load (g), 20 % life load (q)

Max. load [kN/m]

Wall height [cm]	Fire resistance [Min.]			
Thickness 75 mm	0	30	60	90
280	38	27	16	-
330	28	20	12	-
380	21	15	9	-
500	17	12	0	-
600	12	9	-	-

Wall height [cm]	Fire resistance [Min.]			
Thickness 100 mm	0	30	60	90
280	89	70	50	0
330	65	50	36	0
380	49	38	28	-
500	41	32	23	-
600	29	22	16	-

Wall height [cm]	Fire resistance [Min.]			
Thickness 125 mm	0	30	60	90
280	171	141	109	78
330	125	103	80	57
380	95	78	60	43
500	79	65	50	36
600	56	45	35	25

Wall height [cm]	Fire resistance [Min.]			
Thickness 150 mm	0	30	60	90
280	288	245	201	158
330	213	181	149	116
380	163	138	114	89
500	136	115	95	74
600	95	81	66	52