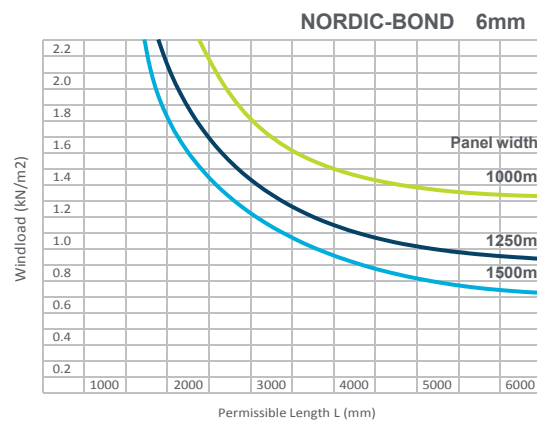
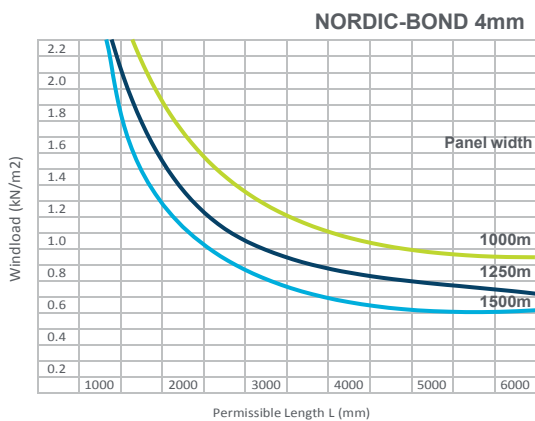


## PANEL WEIGHT & WIND LOAD

Type of Panel	Thickness (mm)	Aluminium Skin (mm)	Core	Weight (kg)/m <sup>2</sup>	Weight (lbs)/m <sup>2</sup>
NORDIC-BOND (PE)	3	0.15/0.15	PE	4.16	9.17
	3	0.20/0.20	PE	4.32	9.52
	3	0.30/0.30	PE	4.62	10.19
	4	0.20/0.20	PE	5.50	12.13
	4	0.30/0.30	PE	5.80	12.79
	4	0.50/0.50	PE	6.40	14.11
	6	0.20/0.20	PE	7.85	17.31
	6	0.30/0.30	PE	8.16	17.99
	6	0.50/0.50	PE	8.77	19.33
NORDIC-BOND (FR)	4	0.50/0.50	FR B1	7.00	15.43
	4	0.50/0.50	FR A2	7.40	16.31
	6	0.50/0.50	FR B1	9.0	19.84

### Wind Load and Permissible Panel Dimensions

The graphs below show 4mm and 6mm thick NORDIC-BOND Panel's maximum permissible lengths based on the appointed wind load and panel width. The values given below are fixed on for Panels that are supported on four sides.



### Advantages of NORDIC-BOND Panels Sheets over other similar cladding materials

NORDIC-BOND Panel Sheets have greater flatness and rigidity qualities and are lighter when compared to other similar cladding materials.

The Flatness and Rigidity of the Panel Sheets eliminate the oil canning effect, which is common with solid aluminium and steel sheets.

The lighter weight of our Panel Sheets, when compared to that of similar cladding materials, helps to reduce the dead load factor on buildings and the necessary structural support which reduces construction costs which together gives the architect more freedom with the design and aesthetics of the building.



### Sound Insulation

NORDIC-BOND Composites Panel Sheets offer very good sound insulation. Its noise dampening properties make it an ideal solution for various architectural applications.

Panel Thickness	Airborne Sound Insulation Index (Rw)	Loss Factor (d)	Sound Absorption Factor (s)
3mm	25dB	0.007	0.05
4mm	26dB	0.0086	0.05
6mm	27dB	0.0136	0.05