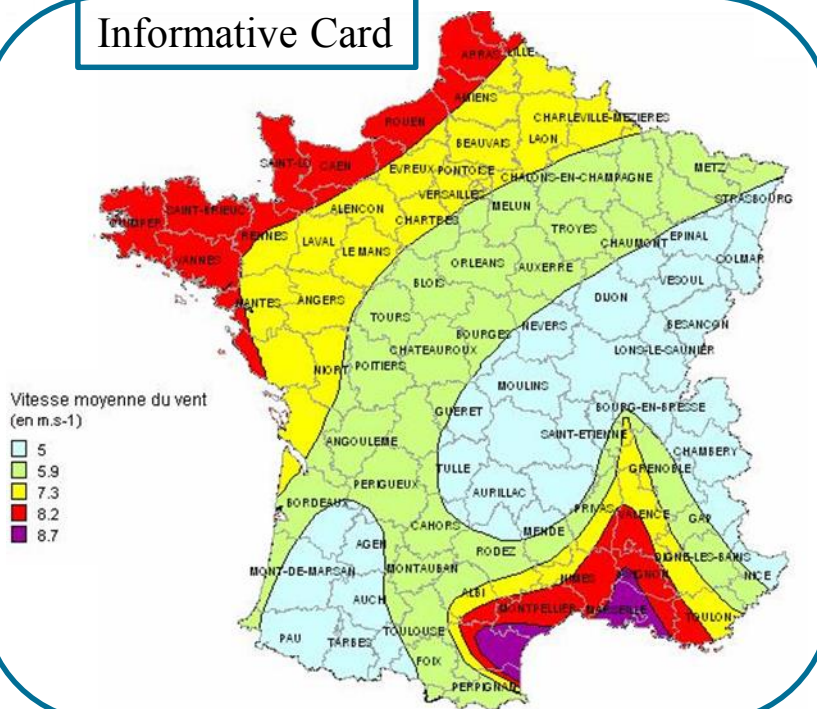


## Informative Card



## Formula

$$V_{max} < \sqrt{\frac{7000}{H \times L}}$$

- **Vmax** = maximum speed of wind (wind gust) in Km/h with a limit at 85km/hour.
- **H** = Height of panel in meter.
- **L** = Width of a panel in meter. In case of linked panels it is necessary to take the total width of the 2 panels in meter.

S (m²) = HxL	0,2 to 0,9	1	1,1	1,2	1,3	1,4	1,5	1,6	1,7	1,8	1,9	2	2,3
Vmax (Km/h)	85	83	79	76	73	70	68	66	64	62	60	59	55
Vmax (m/s)	23,6	23,1	21,9	21,1	20,3	19,4	18,9	18,3	17,8	17,2	16,7	16,4	15,3

- These values present the resistance of the exit of the engine's axis. According to the geometry of shutters' installation (mainly quotation X and L1), the arm can act as fuse in case of inferior values to protect the exit of the engine's axis. The system of obstacle detection which is normatively calibrated for not exceeding 150N, will run in case of very low wind speed and will forbid the movement.

- These values are given by considering that panels stay in place on their hinges during wind gusts.

- These values represent maximal values of wind corresponding to wind gusts (and not normal wind) on the panels present on the facade in the wind.

Abacus