

# Wind fact sheet – Spain

## Facade awnings

### Solozip® | Soloscreen®

Product	Permissible wind resistance class limit values <sup>1</sup>									
	Width (mm)	1500	2000	2500	3000	3500	4000	4500	5000	6000
Solozip® with zip guide rails		6	6	6	6	5	5	5	4	4
Width (mm)	1500			2500		3000		4000		4500
	Height (mm)	2000	3000	4000	3000	4000	3000	4000	2000	3000
Soloscreen®		3	3	3	3	3	3	3	3	3

<sup>1</sup> Tests in accordance with product standard EN 13561:2015.

### The values in the table apply with the following reservations:

- Product dimensions and use comply with the Griesser technical data sheet.
- Installation, fastening and operation are carried out in accordance with installation and operating instructions.
- The products should be installed in the soffit / directly on the facade, with the curtain <100 mm away from the facade.
- If the distance from the facade is between 100 and 300 mm, the value in the table must be reduced by 1 class.
- If the distance from the facade is between 300 and 500 mm, the value in the table must be reduced by 2 classes. Furthermore, the table cannot be applied.



### Instructions for automatic solar shading

The facade awnings cannot be protected with wind sensors against sudden gusts of wind. Make sure that the facade awnings remain retracted if a storm is imminent. Updrafts or fallwinds at facades could lead to the destruction of the facade awnings. Wind sensors cannot detect these as a rule.

### Maximum admissible wind speeds for Griesser facade awnings

External facade awnings are not designed to withstand strong winds. Pursuant to standard EN 13561:2015, the manufacturer must determine the maximum wind speed above which the external facade awning must be retracted.

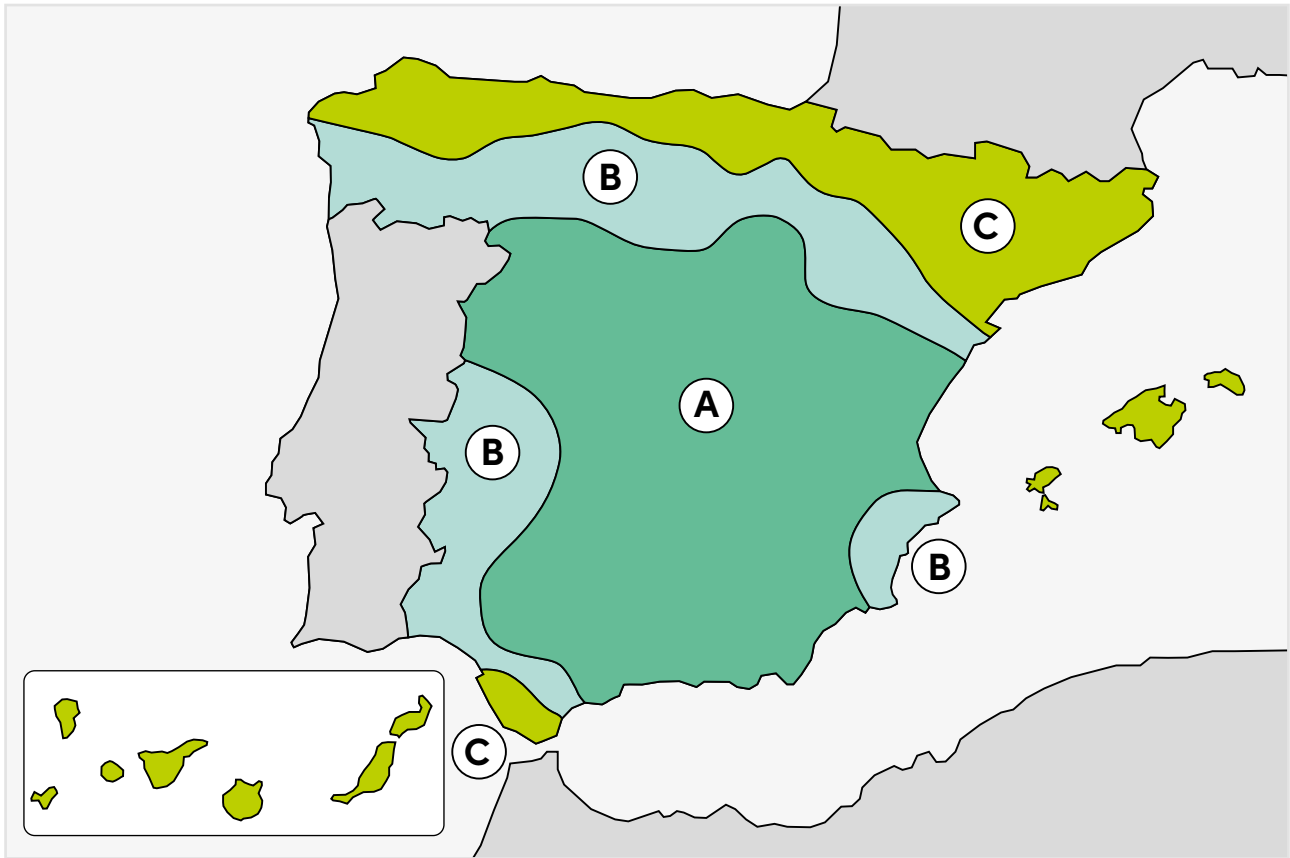
### Setting values for sensors according to producer




Class 0	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6
<7.8 m/s	7.8 m/s	10.6 m/s	13.3 m/s	16.7 m/s	21.1 m/s	25.6 m/s
<28 km/h	28 km/h	38 km/h	48 km/h	60 km/h	76 km/h	92 km/h

Setting value for wind sensors if they are fitted with the product.

## Planning Notes

### Wind load zones



-  Wind load zone A: 26
-  Wind load zone B: 27
-  Wind load zone C: 29

## Planning Notes

### Wind resistance classes depending on the category of terrain and the installation height

Wind load zone	Terrain category*	Installation height [m]				
		≤9	≤18	≤28	≤50	≤100
A	I	4	4	4	4	5
	II	4	4	4	5	5
	III	4	4	4	4	5
	IV	3	3	4	4	4
	V	2	3	3	4	4
B	I	4	4	4	5	5
	II	4	4	4	5	5
	III	4	4	4	5	5
	IV	3	4	4	4	5
	V	2	3	3	4	4
C	I	4	5	5	5	5
	II	4	5	5	5	5
	III	4	4	5	5	5
	IV	3	4	4	5	5
	V	2	3	4	4	5

\* Terrain category

I Sea or coastal area exposed to onshore winds, lakes and water bodies exposed to winds across a distance of at least 5 km.

II Plain countryside with or without isolated obstacles (trees, buildings, etc.).

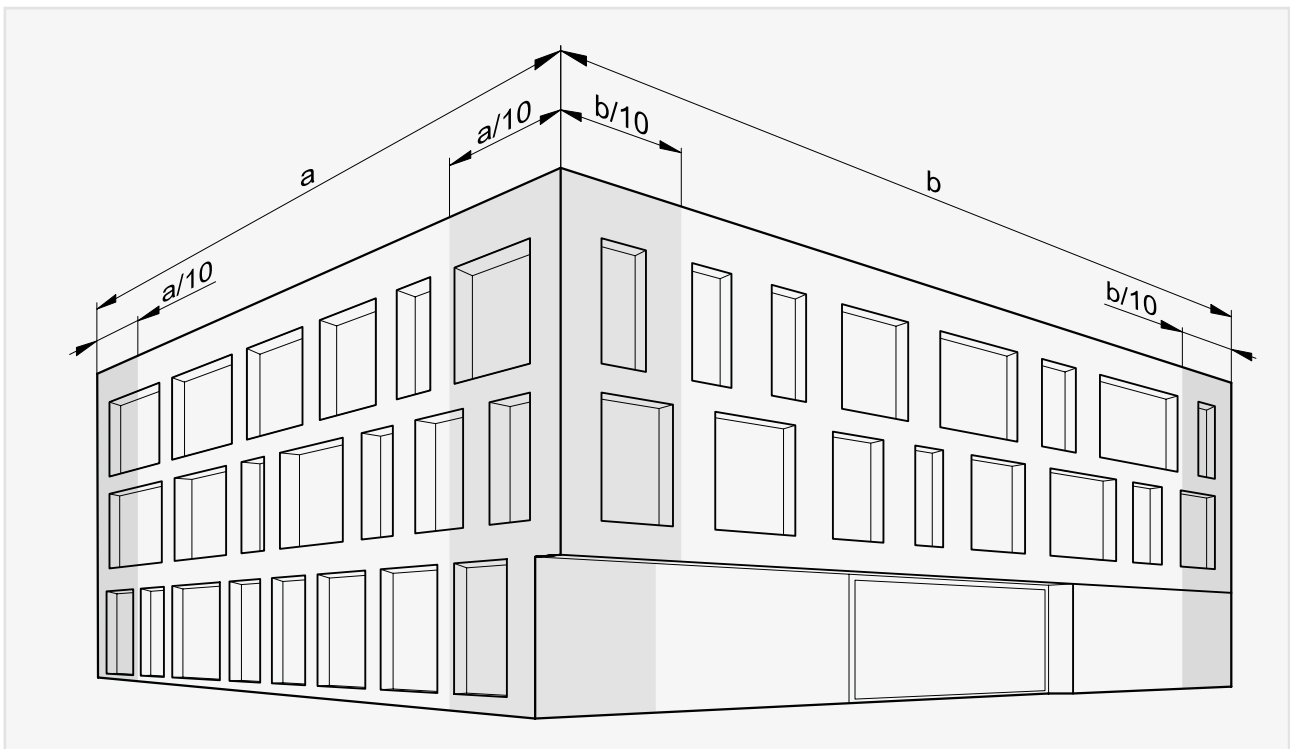
III Rugged or flat rural area with some isolated obstacles, such as trees or small buildings.

IV Urban area in general, industrial or forest.

V The business centre of large cities, with a profusion of high-rise buildings.

### Higher wind resistance class

Wind speeds can be considerably higher at building corners and should be taken into consideration. Separate proof must be submitted for buildings without a square floor plan or buildings above 1100 m ground level.



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