

# Wind fact sheet – Switzerland

## 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. Product limit dimensions in accordance with data sheet.

### 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.

### Wind resistance classes in accordance with SIA 342:2009

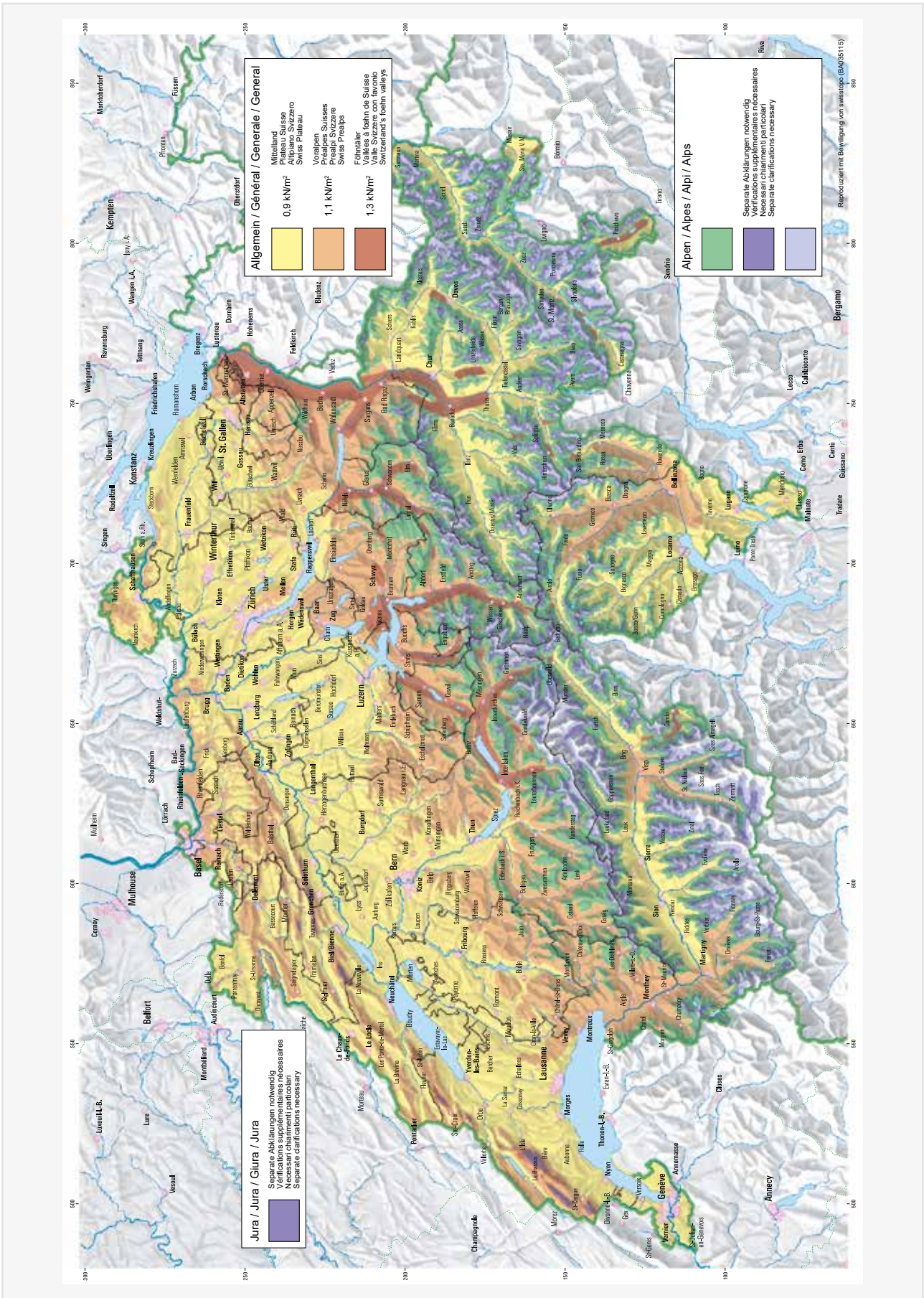
Class 0	Class 1	Class 2	Class 3	Class [4]	Class [5]	Class [6]
<7.8 m/s	7.8 m/s	10.6 m/s	13.3 m/s	16.7 m/s	21.1 m/s	25.6 m/s
<28 km/h	28 km/h	38 km/h	48 km/h	60 km/h	76 km/h	92 km/h

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

[x] No wind resistance class in accordance with product standard.

# Planning Notes

## Wind load zones (SIA 261)



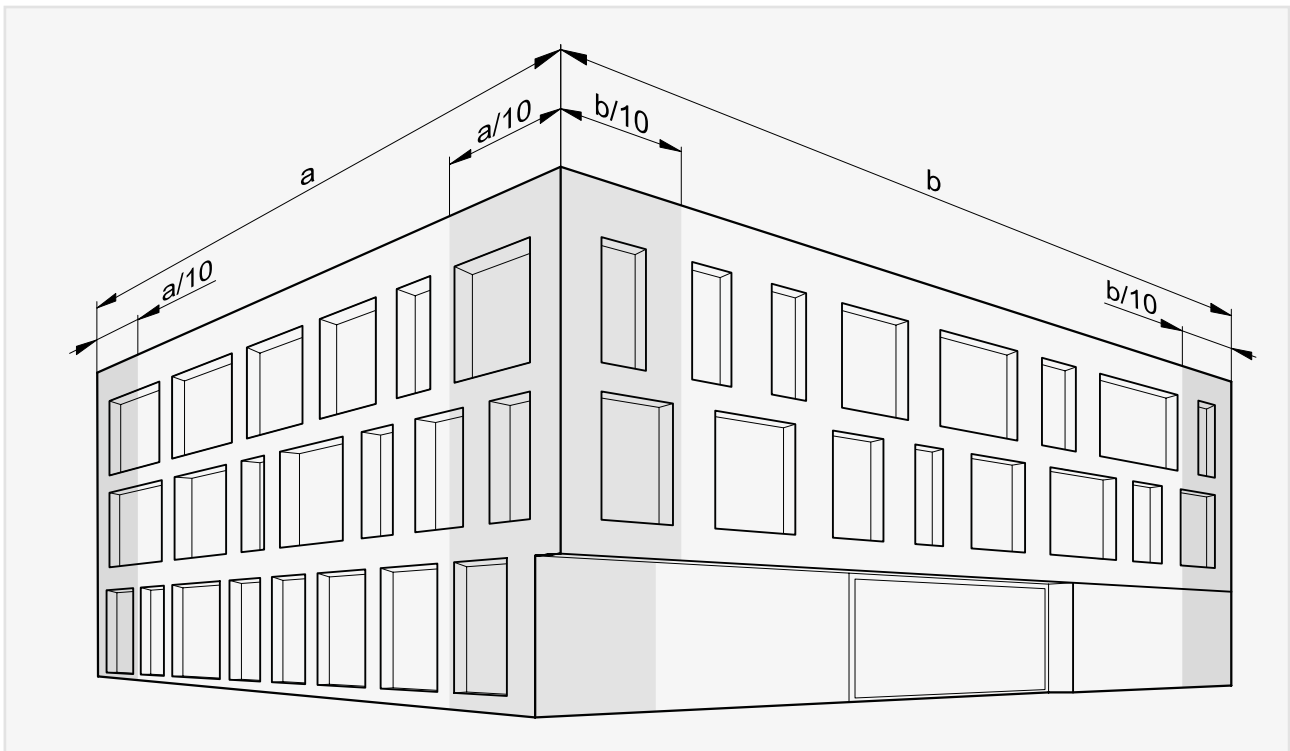
## Planning Notes

### Wind resistance classes depending on the category of terrain and the installation height (SIA 342)

Wind load zone	Terrain category according to SIA 261	Installation height [m]			
		6	18	28	50
Swiss Plateau up to 600MSL Valleys up to 850MSL	II Lake shores	5	5	5	6
	IIa Large planes	4	5	5	5
	III Towns, open areas	4	4	5	5
	IV Large-scale urban areas	3	4	4	5
Swiss Prealps up to 1100MSL	II Lake shores	5	6	6	6
	IIa Large planes	5	5	5	6
	III Towns, open areas	4	5	5	5
	IV Large-scale urban areas	4	4	5	5
Foehn valleys up to 850MSL	II Lake shores	6	6	6	>6
	IIa Large planes	5	6	6	6
	III Towns, open areas	5	5	5	6
	IV Large-scale urban areas	4	5	5	6

### 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 1100m ground level.



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