

Wind fact sheet – Austria

Awnings

Opal® Design | Cassita® | G 4000 | Topas® | G 2000 | Paravento

Product	Permissible wind resistance class limit values ¹			
	Width (mm)	2500	5000	7000
Projection (mm)	1500	3000	4000	6000
Opal® Design II	3	2	1	-
Cassita® II	3	2	1	-
G 4000	3	2	1	-
Topas®	3	2	1	-
	Width (mm)	2500	5000	6500
	Projection (mm)	1500	2500	2500
G 2000 Standard / G 2000 Sleeve	1	1	-	
G 2000 Bucket	2	2	1	
	Height (mm)	2500		
	Extension (mm)	4000		
Paravento	2			

¹ Tests in accordance with product standard EN 13561. 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.
- Installation and installation situation correspond to the guidelines of the VSR.



Instructions for automatic solar shading

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

Maximum admissible wind speeds for Griesser awnings

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

Setting values for sensors according to producer

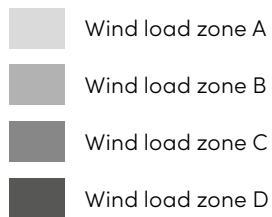
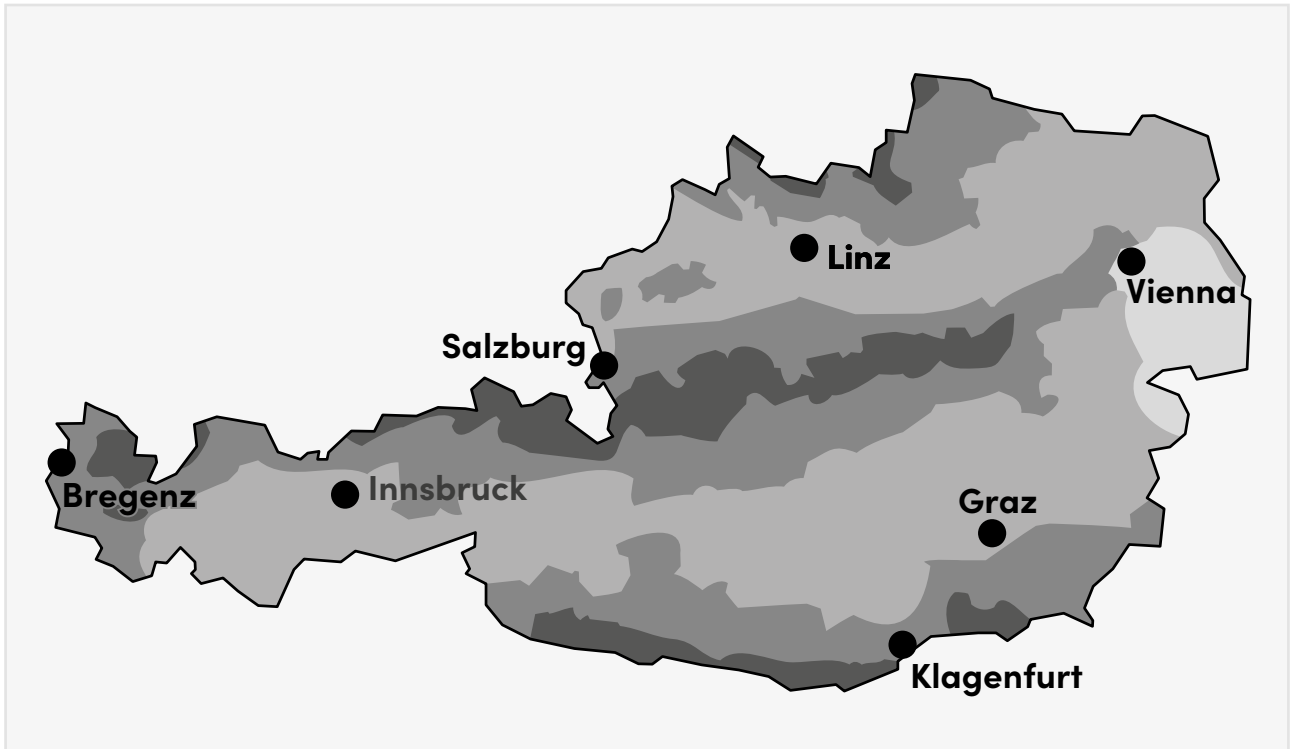
Class 0	Class 1	Class 2	Class 3
<7.8 m/s	7.8 m/s	10.6 m/s	13.3 m/s
<28 km/h	28 km/h	38 km/h	48 km/h

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

Planning Notes

Wind load zones for selected locations

More detailed information on the wind load zones can be found in ÖNORM B 1991-1-4.



Planning Notes

Wind load zones (ÖNORM B 1991-1-4 / NA)

The wind load zones are location-dependent. The assignment of wind load zone to selected location is defined in the appendix. For locations not listed, the wind load zone of the next closest location can be used. If the sea level is more than 250 m above the level of the next closest location, a separate calculation according to the standard is necessary.

Wind resistance classes depending on the terrain category and the installation height (ÖNORM B 1991-1-4 / NA)

Wind load zone	Terrain category*	Installation height [m]				
		≤9	≤18	≤28	≤50	≤100
A	II	2	2	3	3	3
	III	1	2	2	3	3
	IV	1	1	1	2	3
B	II	3	3	3	4	4
	III	2	3	3	3	4
	IV	1	2	2	3	4
C	II	3	4	4	4	4
	III	3	3	4	4	4
	IV	2	3	3	3	4
D	II	4	4	4	4	5
	III	3	4	4	4	5
	IV	3	3	3	4	4

* Terrain categories (ÖNORM B 1991-1-4 / NA)

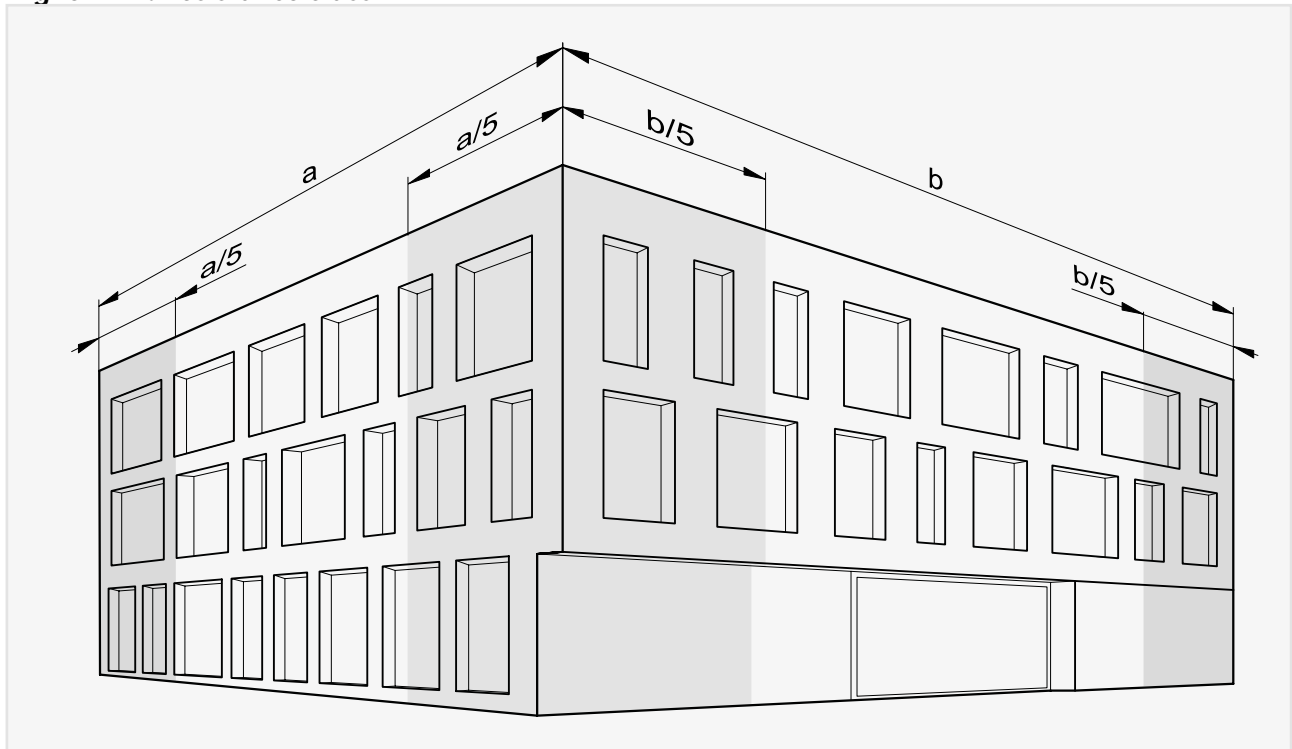
– Terrain category "I" not available in Austria

II Areas with low vegetation such as grass and individual obstacles (trees, buildings) with distances of at least 20 times the obstacle height

III Areas with uniform vegetation or building development or with individual objects with distances of less than 20 times the obstacle height (e.g. villages, suburban development, forest areas)

IV Areas in which at least 15 % of the surface area is covered by buildings with an average height greater than

Higher wind resistance class



Appendix

Wind load zones for selected locations

Location	Zone	Location	Zone	Location	Zone
Vienna		Velden	A	Tulln	D
Districts 10, 11, 21, 22	D	Villach	A	Waidhofen an der Thaya	C
all other districts	C	Völkermarkt	A	Waidhofen an der Ybbs	B
Burgenland		Wolfsberg	A	Wilhelmsburg	D
Andau	C	Lower Austria		Wolkersdorf	C
Bad Tatzmannsdorf	C	Amstetten	C	Wr. Neustadt	D
Eisenstadt	C	Bad Vöslau	C	Zistersdorf	C
Güssing	C	Baden bei Wien	C	Zwettl	C
Jennersdorf	B	Deutsch-Wagram	D	Upper Austria	
Mattersburg	B	Fischamend	D	Aigen im Mühlkreis	B
Neusiedl am See	C	Gänserndorf	D	Bad Goisern	A
Oberpullendorf	B	Gmünd in Niederösterreich	C	Bad Ischl	B
Oberwart	B	Gross-Enzersdorf	D	Bad Leonfelden	B
Pinkafeld	B	Gumpoldskirchen	C	Braunau am Inn	C
Rust am Neusiedler See	C	Hainburg	C	Ebensee	C
St. Michael im Burgenland	C	Höllabrunn	C	Eferding	C
Carinthia		Horn	C	Enns	C
Arnoldstein	A	Klosterneuburg	C	Freistadt	B
Bad Kleinkirchheim	B	Korneuburg	C	Gmunden	C
Bleiburg	A	Krems an der Donau	C	Gosau	B
Eisenkappel	A	Langenlois	C	Grein	C
Feldkirchen in Kärnten	A	Lilienfeld	C	Grieskirchen	C
Ferlach	A	Marchegg	D	Grünau im Almtal	B
Friesach	A	Melk an der Donau	C	Hallstatt	A
Gmünd an der Lieser	B	Mistelbach	C	Hinterstoder	B
Gurk	A	Mödling	C	Kremsmünster	D
Heiligenblut	C	Mönichkirchen	D	Linz	D
Hermagor	A	Neunkirchen	D	Mattighofen	C
Klagenfurt	A	Perchtoldsdorf	C	Mondsee	C
Kötschach	A	Pottenstein	C	Obertraun	B
Lavamünd	A	Poysdorf	C	Reichersberg am Inn	C
Mallnitz	C	Puchberg am Schneeberg	C	Ried im Innkreis	C
Millstatt	A	Purkersdorf	C	Rohrbach im Mühlviertel	B
Naßfeld	D	Reichenau an der Rax	C	St.Wolfgang am Wolfgangsee	C
Oberdrauburg	A	Retz	C	Schärding	C
Obervellach	B	Scheibbs	C	Schwanenstadt	D
Radenthein	A	Schwechat	D	Spital am Pyhrn	B
Rennweg	C	Semmering	D	Steyr	C
St. Andrä im Lavanttal	A	Sollenau	D	Traun	D
St. Lorenzen im Lesachtal	B	St.Pölten	C	Vöcklabruck	C
St. Veit an der Glan	A	Stockerau	C	Wels	C
Spittal an der Drau	A	Ternitz	C	Weyer	B
		Traiskirchen	C	Windischgarsten	C

Location	Zone	Location	Zone	Location	Zone
Salzburg		Friedberg	B	Matrei in Osttirol	B
Abtenau	B	Frohnleiten	B	Mayrhofen	C
Bad Gastein	C	Fürstenfeld	B	Obergurgl	D
Bad Hofgastein	C	Gleisdorf	B	Pertisau	C
Bischofshofen	C	Graz	B	Reutte in Tirol	C
Fuschl am See	C	Gröbming	B	St. Anton am Arlberg	C
Golling	C	Hartberg	B	St. Christoph am Arlberg	D
Hallein	C	Hieflau	A	St. Jakob in Deferegggen	C
Kaprun	C	Judenburg	B	St. Johann in Tirol	C
Krimml	C	Kapfenberg	B	St. Leonhard im Pitztal	C
Lofer	C	Knittelfeld	B	Schwaz in Tirol	C
Mattsee	C	Köflach	B	Seefeld in Tirol	C
Mauterndorf	B	Leibnitz	B	Serfaus	D
Mittersill	B	Leoben	B	Sillian	B
Mühlbach am Hochkönig	C	Liezen	C	Sölden	D
Oberndorf bei Salzburg	C	Mariazell	B	Steinach am Brenner	C
Obertauern	D	Murau	B	Tannheim	C
Radstadt	B	Mureck	B	Telfs	C
Rauris	B	Mürzzuschlag	B	Virgen	C
Saalbach	C	Schladming	B	Wörgl	C
Saalfelden	B	Seckau	A	Zell am Ziller	C
Salzburg	C	St. Nikolai im Sölketal	C		
St. Johann im Pongau	C	Stainz	B	Vorarlberg	
St. Michael im Lungau	B	Trieben	B	Bezau	C
Strobl	C	Voitsberg	B	Bludenz	C
Tamsweg	B	Wald am Schoberpass	C	Bregenz	C
Unken	B	Weiz	B	Dornbirn	C
Wagrain	B	Wildon	B	Egg bei Andelsbuch	B
Werfen	C	Zeltweg	C	Feldkirch	C
Zell am See	B			Gargellen	C
		Tyrol		Götzis	C
Styria		Ehrwald	C	Hohenems	C
Admont	B	Fulpmes	C	Langen am Arlberg	C
Bad Aussee	B	Hall in Tirol	D	Lech	C
Bad Gleichenberg	B	Hintertux	C	Lustenau	C
Bad Mitterndorf	B	Holzgau	C	Mittelberg	C
Bad Radkersburg	C	Imst	C	Partenen	C
Birkfeld	A	Innsbruck	D	Schruns	B
Bruck an der Mur	B	Ischgl	D	Warth	C
Deutschlandsberg	B	Jenbach	C	Zürs	C
Eibiswald	A	Kitzbühel	C		
Eisenerz	A	Kufstein	C		
Feldbach	B	Landeck	C		
Fohnsdorf	B	Lienz	B		

Inspired by the **Sun.**

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