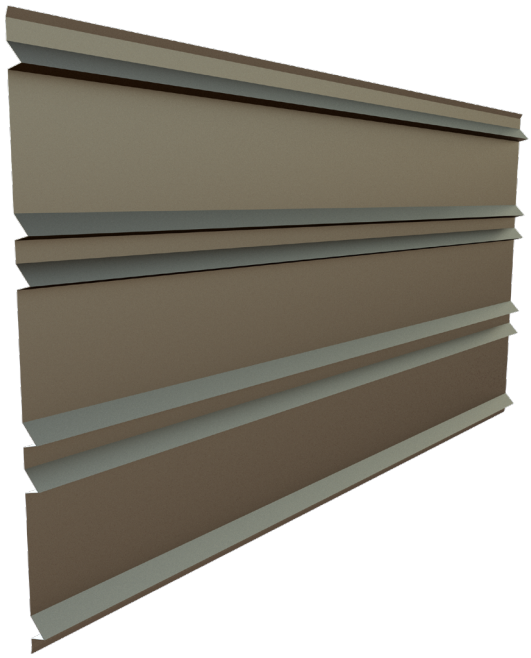
Wind / TR980-6

MyWall Collection / Architectural metal envelopes for facades

- Hot-dip galvanised structural steel sheet corrugated profile with high structural efficiency.
- Metal cladding for façades in industrial, residential and commercial buildings.
- Product CE marked according to EN 14782 and EN 1090-1.
- Usable width of 980 mm and production lengths up to 8,000 mm.
- Extensive colour palette and wide range of highly durable coatings.



CE

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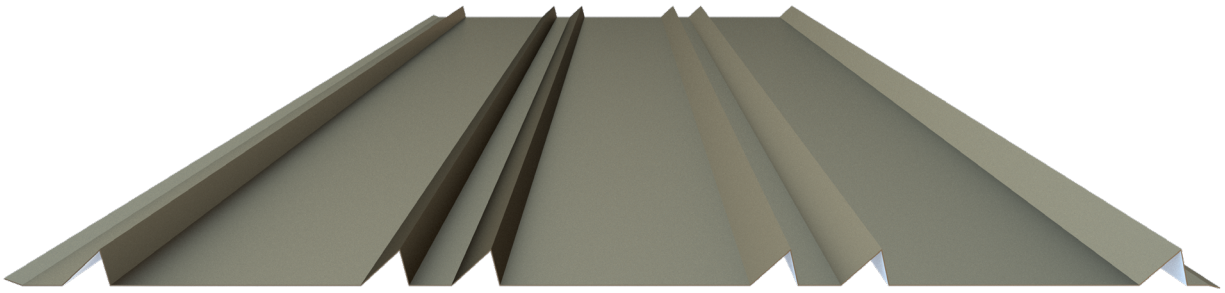
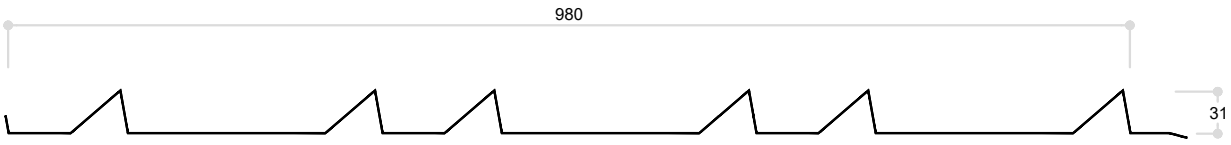
MANUFACTURING CHARACTERISTICS





Useful width		980 mm
Maximum manufacturing length		8,000 mm
Thicknesses*	Steel	0.6 / 0.7 mm
	Aluminium	0.7 / 0.8 / 0.9 / 1.0 mm
Steel coatings	Standard	Z275 Galvanised Galvanised and coated with 25 µm silicone polyester
	Special	HD, HDS, HDX, PVDF
Aluminium coatings	Standard	Coated with 25 µm silicone polyester
	Special	Special coating available on request

(*) Other thicknesses available upon request.

Steel sheet certifications

Steel used in accordance with standard EN 10346 (galvanised) and standard EN 10169 (organic coatings).

Profile certification Wind / TR980-6

CE marking in accordance with standards EN 14782:2006 and EN 1090-1:2009+A1:2011.

CE

Kingspan | Teczone España
c/Alcalde Martin Cobos, s/n | E - 09007 Burgos
Tel. +34 947 483 700 | Fax. +34 947 483 803
teczone@teczone.es | www.teczone.es

Kingspan | Teczone France
1 Place Sainte Ursule | F - 09100 - Pamiers
Tel. +33 561 609 996 | Fax. +33 561 675 820
teczone@teczone.fr | www.teczone.fr

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TECHNICAL DATA OF THE PROFILE

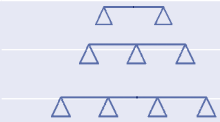
MATERIAL	THICKNESS (mm)	PROFILE WEIGHT (kg/m²)
Steel	0.6	6.61
	0.7	7.72
Aluminium	0.7	2.65
	0.8	3.03
	0.9	3.41
	1.0	3.79

REACTION TO FIRE

The TR980-6 profile has a fire reaction classification of A1 according to EN 13501-1:2018 (Euroclasses).

STEEL

MAXIMUM PERMISSIBLE UNDER PRESSURE LOADS FOR STEEL (daN/m²)

		SPAN BETWEEN SUPPORTS (mm)							
e (mm)	SUPPORTS	750	1.000	1.250	1.500	1.750	2.000	2.250	2.500
0,6		306	172	110	77	56	43	34	27
		280	158	100	71	52	40	32	26
		350	197	127	88	65	50	39	32
0,7		515	290	185	129	91	61	43	31
		470	265	170	118	87	67	53	43
		587	332	213	148	109	84	66	54

1 daN/m² ≈ 1 kp/m²

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MAXIMUM PERMISSIBLE SUCTION LOADS FOR STEEL (daN/m²)

		SPAN BETWEEN SUPPORTS (mm)							
e (mm)	SUPPORTS	750	1.000	1.250	1.500	1.750	2.000	2.250	2.500
0,6		-282	-160	-103	-71	-53	-40	-31	-23
		-305	-172	-110	-76	-56	-43	-34	-28
		-382	-215	-138	-96	-70	-54	-43	-34
0,7		-474	-268	-172	-112	-73	-50	-36	-27
		-514	-289	-185	-129	-95	-72	-57	-46
		-642	-362	-232	-161	-118	-91	-65	-49

NOTES: **1 daN/m² ≈ 1 kp/m²**

- The values shown in the table are permissible loads without increase, which must be compared with the sum of characteristic loads (without increase) for each project.
- Tables calculated according to Eurocode 3, part 1.3. Maximum permissible deflection criterion: L/200, where L is the distance between support purlins.
- Tables valid for preliminary dimensioning only. The designer must perform the structural calculation in accordance with the regulations applicable in each country.
- In the case of pressure loads, the calculation has been made for a support width of 75 mm. If the support width is less than this, the permissible load values may be significantly reduced.
- For other configurations or load cases, please contact our technical department. Kingspan | Teczone expressly disclaims any liability arising from the use of these tables.
- Las tablas de carga se calculan con el calibre S220GD para 0,6 mm y el calibre S320GD para 0,7 mm.

ALUMINIUM

MAXIMUM PERMISSIBLE UNDER PRESSURE LOADS FOR ALUMINIUM (daN/m²)

		SPAN BETWEEN SUPPORTS (mm)							
e (mm)	SUPPORTS	750	1000	1250	1500	1750	2000	2250	2500
0,7		193	108	69	47	30	20	14	10
		226	128	83	58	43	33	26	21
		282	160	103	72	53	38	27	20
0,8		221	123	78	54	34	23	16	12
		259	147	95	67	49	38	30	24
		324	184	119	83	61	43	31	22
0,9		248	138	88	61	38	26	18	13
		293	167	108	75	56	43	34	27
		366	208	134	94	69	48	34	25
1,0		274	153	97	67	42	28	20	14
		326	186	120	84	62	47	37	30
		408	232	150	105	77	53	37	27

1 daN/m² ≈ 1 kp/m²

Kingspan | Teczone España
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1 Place Sainte Ursule | F - 09100 - Pamiers
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MAXIMUM PERMISSIBLE SUCTION LOADS FOR ALUMINIUM (daN/m²)

		SPAN BETWEEN SUPPORTS (mm)							
e (mm)	SUPPORTS	750	1000	1250	1500	1750	2000	2250	2500
0,7		-231	-131	-71	-42	-27	-18	-13	-10
		-204	-111	-70	-48	-35	-27	-21	-17
		-254	-139	-88	-60	-44	-34	-24	-18
0,8		-266	-151	-80	-48	-31	-21	-15	-11
		-232	-127	-80	-55	-40	-31	-24	-20
		-290	-159	-100	-69	-50	-38	-27	-20
0,9		-301	-170	-90	-54	-34	-23	-17	-12
		-260	-143	-90	-62	-45	-35	-27	-22
		-326	-179	-113	-77	-57	-43	-31	-23
1,0		-335	-188	-100	-59	-38	-26	-18	-13
		-288	-158	-100	-69	-50	-38	-30	-24
		-360	-197	-125	-86	-63	-48	-34	-25

1 daN/m² ≈ 1 kp/m²

NOTES:

- The values shown in the table are permissible loads without increase, which must be compared with the sum of characteristic loads (without increase) for each project.
- Tables calculated according to Eurocode 9, part 1.4. Maximum permissible deflection criterion: L/200, where L is the distance between support purlins.
- Tables valid for preliminary dimensioning only. The designer must perform the structural calculation in accordance with the regulations applicable in each country.
- In the case of pressure loads, the calculation has been made for a support width of 75 mm. If the support width is less than this, the permissible load values may be significantly reduced.
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DTC-138_EN | 19/03/2026 | Rev: 3.0