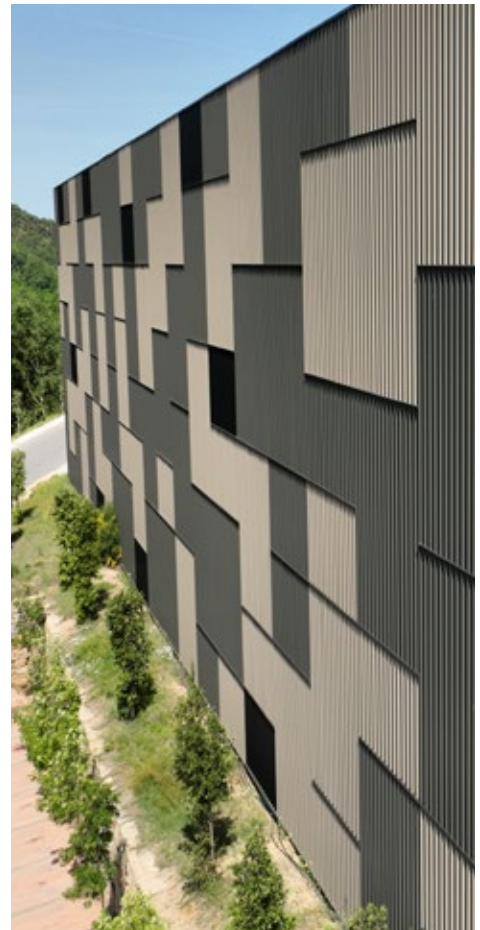


Wind / TR890-7

MyWall System / Architectural metal
facade panels



- Hot-dip galvanised structural steel sheet corrugated profile with high structural efficiency.
- Steel envelopes for facades in industrial and commercial buildings and sports facilities.
- Product CE marked according to EN 14782 and EN 1090.
- Usable width of 890 mm by overlapping and production lengths of up to 8,000 mm.
- Extensive colour palette and wide range of highly durable coatings.



CE

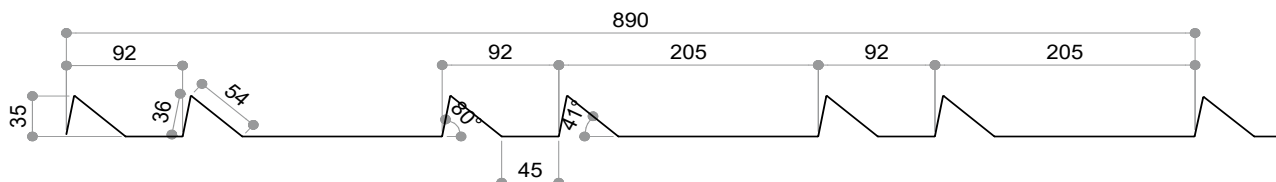

Kingspan.

TECZONE

Wind / TR890-7

MyWall system profile

MANUFACTURING CHARACTERISTICS



Useful width	890 mm
Maximum manufacturing length	8,000 mm
Type of steel	Standard S220GD
Thicknesses	0.6 / 0.7 mm
Coatings	Standard Galvanised Z275 Galvanised and lacquered with silicon polyester 25 microns
	Special HD, HDS, HDX, PVDF, PET

Steel sheet certifications

Steel used according to EN 10346 (galvanised) and EN 10169 (organic coatings).

Wind Profile Certification /TR890-7

CE marked according to EN 14782:2006 and EN 1090-1:2009+A1:2011.



TECHNICAL DATA OF THE PROFILE

THICKNESS (mm)	PROFILE WEIGHT (kg/m ²)
0.6	6.61
0.7	7.72







REACTION TO FIRE

The TR890-7 profile has the reaction to fire classification A1 according to EN 13501-1:2018 (Euroclasses).

Wind / TR890-7







MyWall system profile

MAXIMUM ALLOWABLE LOADS UNDER PRESSURE (daN/m²)

		LENGTH BETWEEN SUPPORTS (m)							
e (mm)	SUPPORTS	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50
0.6		293	169	110	76	49	34	23	17
		371	211	137	96	70	54	43	35
		458	264	170	119	89	62	44	33
0.7		339	196	126	88	56	39	28	20
		434	247	159	112	83	63	50	41
		529	305	198	139	102	71	51	38

1 daN/m² ≈ 1 kp/m²

MAXIMUM ALLOWABLE SUCTION LOADS (daN/m²)

		LENGTH BETWEEN SUPPORTS (m)							
e (mm)	SUPPORTS	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50
0.6		-371	-211	-121	-73	-47	-33	-23	-17
		-293	-169	-110	-76	-57	-44	-35	-28
		-366	-211	-137	-96	-70	-54	-43	-32
0.7		-434	-247	-142	-86	-55	-38	-27	-19
		-339	-196	-126	-89	-65	-50	-40	-33
		-423	-245	-158	-111	-82	-63	-50	-37

1 daN/m² ≈ 1 kp/m²

NOTES:

- The values given in the table are permissible loads without majoring, to be compared with the sum of characteristic loads (without majoring) for each project.
- Tables calculated for maximum permissible deflection: $L/200$, where L is the distance between supporting purlins, according to Eurocode 3, part 1.3.
- Tables valid for pre-dimensioning only. The designer must carry out the structural design 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 200 mm, if this is reduced, the table values will be significantly reduced.
- For strength verification according to EN 1993-1-3, or for other load cases, please contact our technical department. Kingspan | Teczone expressly disclaims any liability arising from the use of these boards.



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