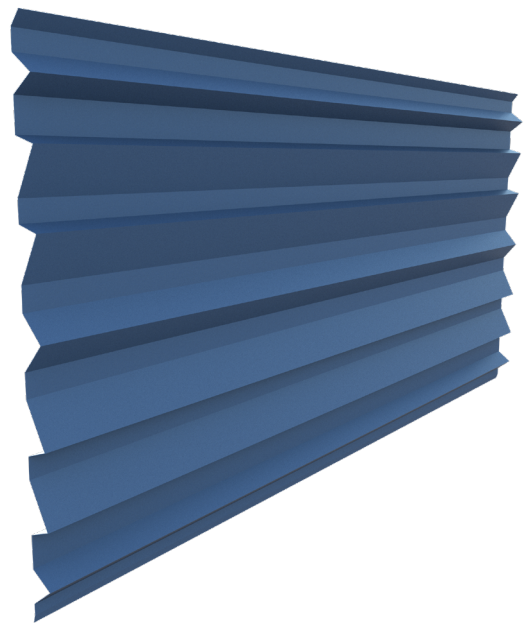


Star / TR938-7

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.
- Useful width of 938 mm and standard lengths of up to 8,000 mm.
- Extensive colour palette and wide range of highly durable coatings.



CE

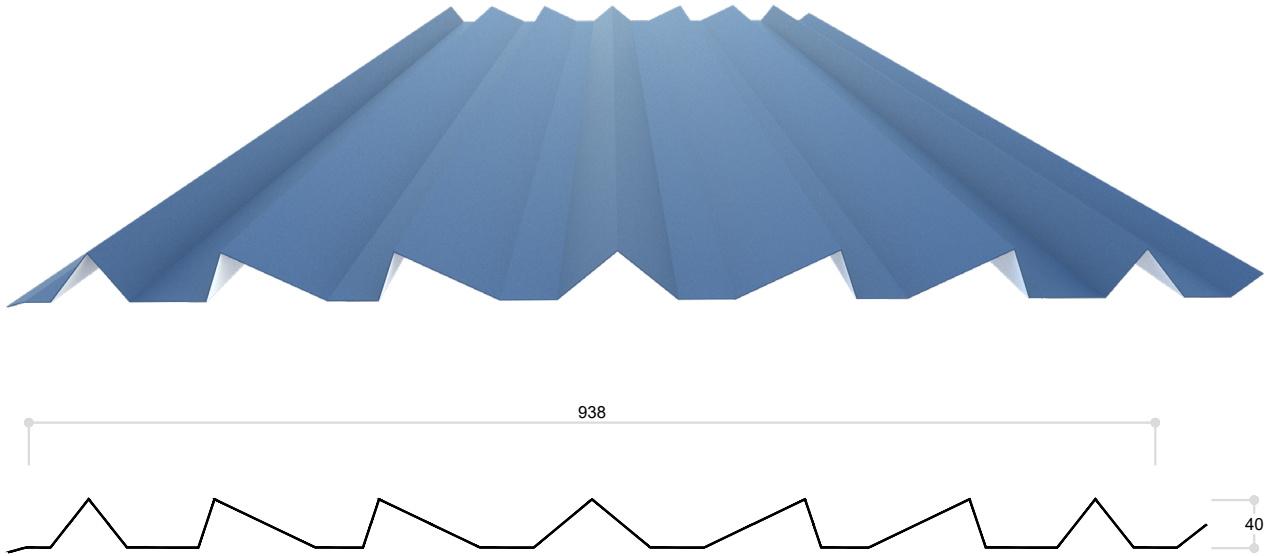

Kingspan

TECZONE

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MANUFACTURING CHARACTERISTICS



Useful width		938 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 on request.

Steel / aluminium sheet certifications

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

Aluminium used in accordance with standard EN 1396.

Profile certification Star / TR938-7

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



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TECHNICAL DATA OF THE PROFILE







MATERIAL	THICKNESS (mm)	PROFILE WEIGHT (kg/m ²)
Steel	0.6	6.28
	0.7	7.33
Aluminium	0.7	2.52
	0.8	2.88
	0.9	3.24
	1.0	3.60

REACTION TO FIRE

The TR938-7 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)







e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1.000	1250	1500	1750	2000	2250	2500
0,6		564	423	288	200	147	111	78	58
		536	347	245	182	141	113	92	77
		638	416	295	220	171	137	113	94
0,7		904	678	482	301	190	127	89	66
		870	566	400	299	232	186	152	127
		1035	677	481	361	281	226	169	123

1 daN/m² ≈ 1 kp/m²

Star / TR938-7

MyWall Collection

MAXIMUM PERMISSIBLE SUCTION LOADS FOR STEEL (daN/m²)

e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1000	1250	1500	1750	2000	2250	2500
0,6		-876	-498	-321	-222	-163	-114	-81	-59
		-800	-450	-288	-200	-147	-112	-89	-72
		-1000	-562	-360	-250	-184	-141	-111	-90
0,7		-1470	-836	-519	-306	-195	-132	-94	-69
		-1338	-753	-482	-335	-246	-188	-149	-120
		-1673	-941	-602	-418	-307	-235	-175	-128













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.
- The load tables are calculated using S220GD grade for a thickness of 0.6 mm and S320GD grade for a thickness of 0.7 mm.

ALUMINIUM

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












e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1000	1250	1500	1750	2000	2250	2500
0,7		375	281	188	109	69	46	33	24
		451	296	208	154	118	93	75	57
		469	351	251	187	130	87	62	45
0,8		479	360	216	126	79	53	37	27
		546	355	247	181	138	109	87	65
		599	425	299	221	149	100	71	52
0,9		596	447	244	142	89	60	42	31
		645	414	287	209	159	125	100	74
		745	499	348	256	169	113	80	58
1,0		724	531	272	157	100	66	47	34
		746	475	327	237	180	141	112	82
		890	574	398	291	187	126	88	64

1 daN/m² ≈ 1 kp/m²

Star / TR938-7

MyWall Collection

MAXIMUM PERMISSIBLE SUCTION LOADS FOR ALUMINIUM (daN/m²)

e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1000	1250	1500	1750	2000	2250	2500
0,7		-689	-344	-180	-105	-67	-45	-32	-23
		-659	-371	-237	-165	-121	-93	-73	-55
		-824	-464	-297	-195	-125	-84	-60	-44
0,8		-795	-394	-206	-120	-76	-52	-36	-27
		-792	-446	-285	-198	-146	-111	-86	-63
		-990	-557	-357	-223	-143	-96	-68	-50
0,9		-903	-445	-232	-136	-86	-58	-41	-30
		-921	-519	-332	-231	-169	-130	-97	-71
		-1152	-648	-415	-252	-160	-108	-77	-56
1,0		-1011	-496	-258	-151	-95	-64	-45	-33
		-1053	-593	-379	-263	-194	-148	-108	-79
		-1316	-741	-474	-280	-178	-120	-85	-62

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.
- For other configurations or load cases, please contact our technical department. Kingspan | Teczone expressly disclaims any liability arising from the use of these tables.



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