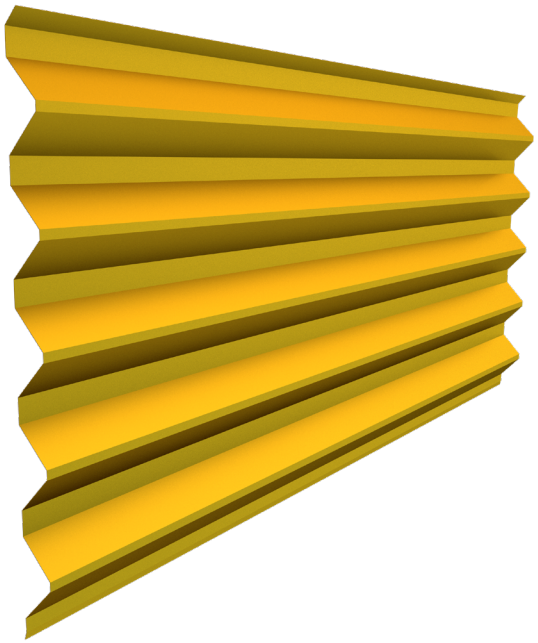
Mountain / TR950-5

MyWall Collection / Architectural metal facade panels

- 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.
- Usable width of 950 mm and production lengths of up to 8,000 mm.
- Extensive colour palette and wide range of highly durable coatings.



CE

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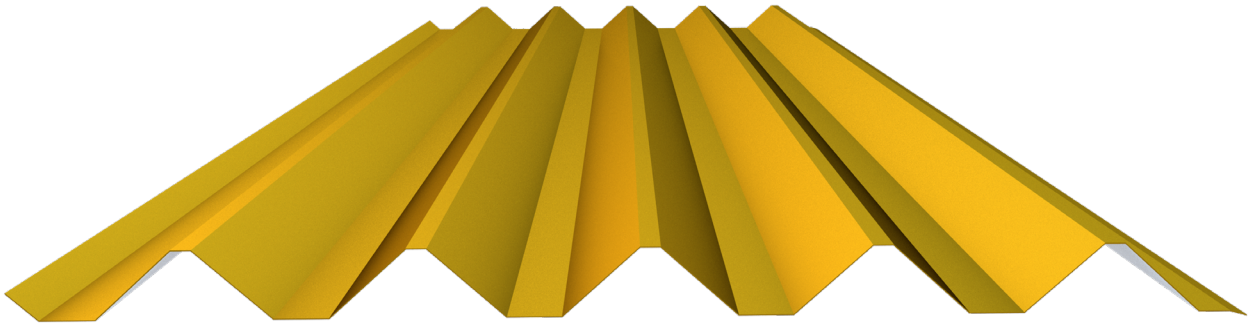
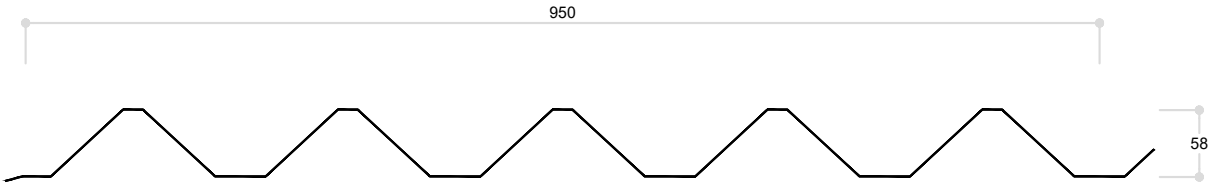
MANUFACTURING CHARACTERISTICS





Useful width		950 mm
Maximum manufacturing length		8,000 mm
Thicknesses(*)	Steel	0.6 to 0.7 mm 0.7 to 1 mm
Steel Coatings	Standard	Galvanised Z275 Galvanised and lacquered with silicon polyester 25 microns
	Special	HD, HDS, HDX, PVDF, PET
Aluminium Coatings	Standard	Coated with 25 micron silicone polyester
	Special	Special finishes available on request

(*) Other thicknesses available on request

Steel sheet certifications

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

Aluminium used in accordance with standard EN 1396.

Mountain Profile Certification /TR950-5

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

CE

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TECHNICAL DATA OF THE PROFILE

THICKNESS (mm)	STEEL PROFILE WEIGHT (kg/m²)	ALUMINIUM PROFILE WEIGHT (kg/m²)
0,6	5,89	-
0,7	6,87	2,36
0,8	-	2,70
0,9	-	3,04
1,0	-	3,38

REACTION TO FIRE

The TR950-5 profile has the reaction to fire classification A1 according to EN 13501-1:2018 (Euroclasses).

STEEL

MAXIMUM ALLOWABLE PRESSURE LOADS (daN/m²)

		LENGTH BETWEEN SUPPORTS (mm)							
e (mm)	SUPPORTS	750	1000	1250	1500	1750	2000	2250	2500
6		755	566	453	377	303	232	183	143
		804	530	378	284	222	178	147	123
		943	632	452	341	268	216	178	149
7		1209	907	726	605	468	318	225	166
		1301	862	616	464	363	292	241	202
		1512	125	737	557	438	353	292	245

1 daN/m² ≈ 1 kp/m²

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MAXIMUM ALLOWABLE SUCTION LOADS (daN/m²)

		LENGTH BETWEEN SUPPORTS (mm)							
e (mm)	SUPPORTS	750	1000	1250	1500	1750	2000	2250	2500
06		-1499	-851	-547	-380	-280	-214	-170	-137
		-1636	-924	-592	-412	-303	-232	-183	-148
		-246	-1155	-740	-514	-378	-290	-229	-185
07		-2505	-1422	-915	-636	-437	-298	-214	-158
		-2744	-1548	-993	-690	-507	-388	-307	-249
		-3429	-1936	-1241	-862	-634	-486	-384	-290

NOTES:

1 daN/m² ≈ 1 kp/m²

- 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 75 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.
- The load tables are calculated using S220GD grade for a thickness of 0.6 mm and S320GD grade for a thickness of 0.7mm.

ALUMINIUM

MAXIMUM ALLOWABLE PRESSURE LOADS (daN/m²)

		LENGTH BETWEEN SUPPORTS (mm)							
e (mm)	SUPPORTS	750	1000	1250	1500	1750	2000	2250	2500
07		455	341	273	227	161	109	76	56
		606	432	319	244	192	155	128	106
		568	426	341	284	231	187	144	105
08		581	436	349	291	186	125	88	64
		771	531	387	294	230	185	151	126
		727	545	436	352	277	224	166	121
09		723	542	434	333	210	141	100	72
		924	630	456	344	268	214	175	145
		903	677	542	413	324	260	187	137
1		878	658	527	371	234	157	110	80
		184	733	526	394	306	243	198	164
		197	823	629	475	371	296	208	152

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MAXIMUM ALLOWABLE SUCTION LOADS (daN/m²)

		LENGTH BETWEEN SUPPORTS (mm)							
e (mm)	SUPPORTS	750	1000	1250	1500	1750	2000	2250	2500
07		-1302	-739	-419	-246	-157	-106	-75	-55
		-1264	-712	-456	-317	-233	-178	-141	-114
		-1581	-890	-570	-396	-290	-197	-140	-102
08		-1508	-856	-484	-284	-180	-121	-86	-63
		-1530	-862	-552	-383	-282	-216	-170	-138
		-1913	-177	-690	-479	-335	-227	-161	-118
09		-1709	-970	-547	-320	-203	-137	-97	-71
		-1780	-103	-642	-446	-328	-251	-198	-161
		-2225	-1253	-803	-558	-378	-256	-181	-132
1		-1909	-184	-610	-357	-226	-152	-107	-78
		-216	-1136	-728	-506	-372	-285	-225	-182
		-2520	-1420	-910	-632	-421	-285	-201	-147

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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