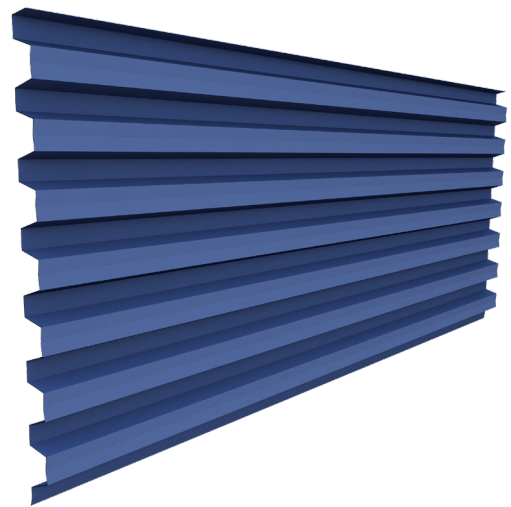


Forest / CD777-7

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.
- Usable width of 777 mm and production lengths up to 8,000 mm.
- Extensive colour palette and wide range of highly durable coatings.



CE

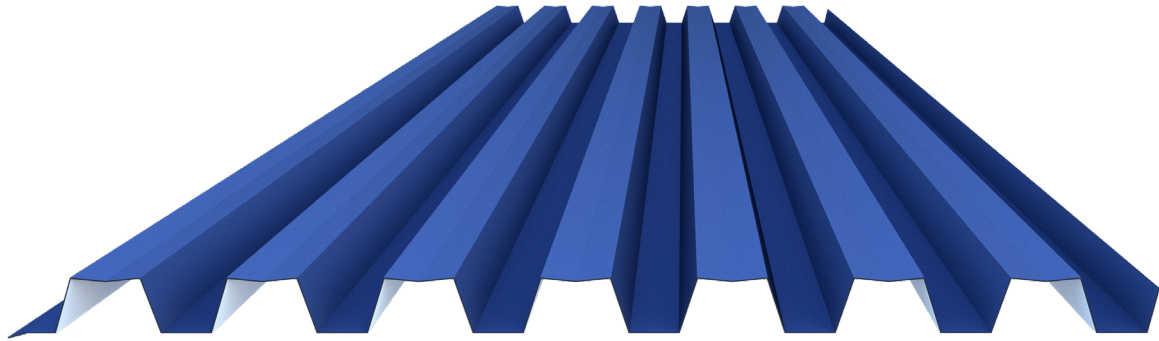

Kingspan

TECZONE

Forest / CD777-7

MyWall Collection

MANUFACTURING CHARACTERISTICS



Useful width		777 mm
Maximum manufacturing length		8,000 mm
Thickness*	Steel	0.6 / 0.7 mm
	Aluminium	0.7 / 0.8 / 0.9 / 1.0 mm
Steel coatings	Standard	Galvanised Z275 Galvanised and coated with 25 µm silicone polyester
	Special	HD, HDS, HDX, PVDF
Aluminium coatings	Standard	Coated with 25 µm silicone polyester
	Special	Special finishes 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.

Forest profile certification / CD777-7

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



Forest / CD777-7

MyWall Collection

TECHNICAL DATA OF THE PROFILE







MATERIAL	THICKNESS (mm)	PROFILE WEIGHT(kg/m ²)
Steel	0.6	7.91
	0.7	9.23
Aluminium	0.7	3.18
	0.8	3.63
	0.9	4.08
	1.0	4.54

REACTION TO FIRE

The CD777-7 profile has the reaction to fire classification A1 according to EN 13501-1:2018 (Euroclasses).

STEEL

MAXIMUM PRESSURE LOADS ON STEEL (daN/m²)

e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1,000	1,250	1,500	1,750	2,000	2,250	2,500
0,6		1499	956	612	425	277	188	133	98
		193	704	496	369	287	228	184	150
		1316	852	602	450	351	280	228	182
0,7		2402	1590	851	502	320	217	154	113
		1816	1173	827	617	480	381	310	254
		2184	1418	103	751	586	404	287	211

1 daN/m² ≈ 1 kp/m²

Forest / CD777-7

MyWall Collection

MAXIMUM ALLOWABLE SUCTION LOADS FOR STEEL (daN/m²)

e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1,000	1,250	1,500	1,750	2,000	2,250	2,500
0,6		-1577	-921	-601	-422	-290	-195	-138	-100
		-1688	-953	-611	-425	-312	-239	-189	-153
		-2111	-1191	-764	-531	-390	-299	-236	-188
0,7		-2628	-1534	-893	-525	-335	-225	-159	-116
		-2805	-1583	-115	-705	-518	-397	-314	-254
		-3506	-1979	-1268	-882	-608	-415	-295	-218

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 according to Eurocode 3, part 1.3. Maximum permissible deflection criterion: L/200, where L is the distance between supporting purlins.
- Tables valid only for pre-dimensioning. The designer must carry out the structural calculation in accordance with the regulations applicable in each country.
- In the case of pressure loads, the calculation has been carried out for a bearing width of 75 mm. In case of a smaller support width, the permissible load values can 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 PRESSURE LOADS ON ALUMINIUM (daN/m²)













e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1000	1250	1500	1750	2000	2250	2500
0,7		950	566	296	174	110	74	53	39
		894	566	389	284	217	169	124	91
		178	691	478	324	206	139	99	72
0,8		1216	651	339	199	126	85	60	44
		182	682	468	341	260	201	142	104
		1307	834	575	371	236	159	113	83
0,9		1511	735	382	224	142	96	67	49
		1275	802	549	400	305	227	160	117
		1545	981	676	418	266	179	127	93
1,0		1835	819	425	248	158	106	75	55
		1473	923	633	461	351	252	178	130
		1789	1131	779	465	295	199	141	103

1 daN/m² ≈ 1 kp/m²

Forest / CD777-7

MyWall Collection

MAXIMUM ALLOWABLE SUCTION LOADS FOR ALUMINIUM (daN/m²)

e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1000	1250	1500	1750	2000	2250	2500
0,7		-1182	-582	-304	-177	-112	-76	-53	-39
		-1182	-669	-429	-298	-219	-168	-127	-93
		-1477	-836	-536	-328	-210	-142	-100	-73
0,8		-1409	-668	-348	-203	-129	-87	-61	-45
		-1420	-803	-516	-359	-264	-202	-145	-106
		-1775	-104	-635	-376	-240	-162	-114	-84
0,9		-1644	-755	-393	-229	-145	-97	-68	-50
		-1671	-945	-607	-422	-310	-231	-163	-119
		-288	-1182	-717	-423	-270	-182	-129	-94
1,0		-1885	-841	-437	-254	-161	-108	-76	-55
		-1932	-193	-701	-488	-359	-256	-181	-133
		-2415	-1366	-797	-470	-300	-202	-143	-105

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 according to Eurocode 9, part 1.4. Maximum permissible deflection criterion: L/200, where L is the distance between supporting purlins.
- Tables valid only for pre-dimensioning. The designer must carry out the structural calculation in accordance with the regulations applicable in each country.
- In the case of pressure loads, the calculation has been carried out for a bearing width of 75 mm. In case of a smaller support width, the permissible load values can 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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