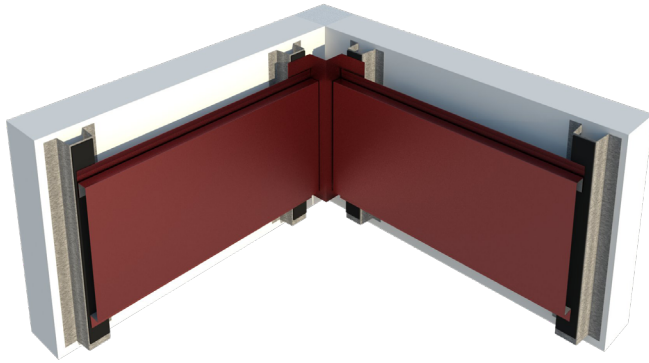
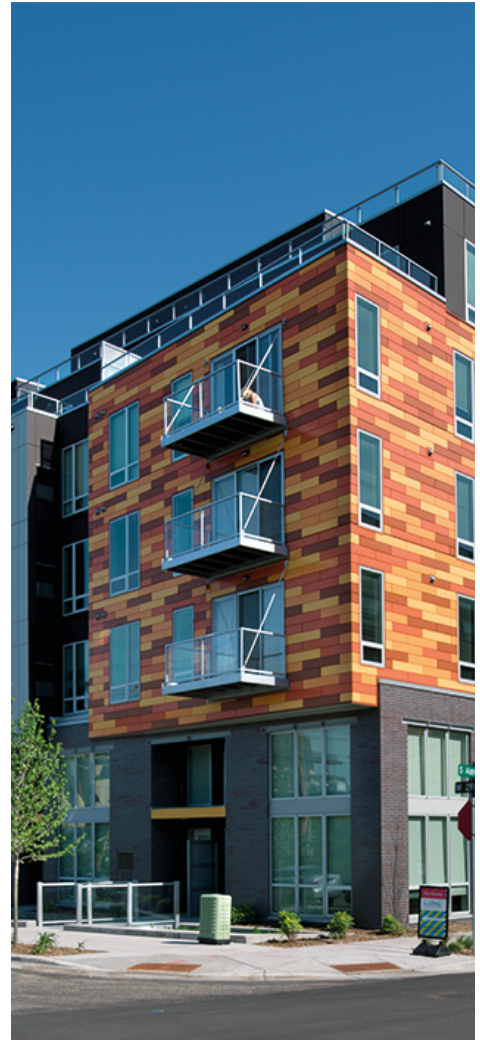


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INTEGRATED BUILDING ENVELOPE



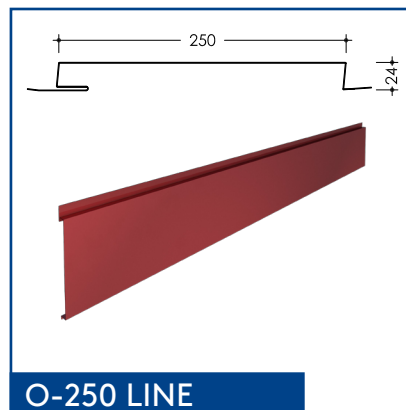
- Integral system consisting of O-250 Omega supporting profiles and O-250 slats, in steel or aluminium, available in various cross-sections, colours, coatings and perforations.
- Suitable for new buildings and façade renovation.
- High quality hot-dip galvanised structural steel S220GD or high corrosion resistant aluminium, type 3105 H24.
- It increases the overall thermal insulation of the façade, achieving energy savings and reducing the costs associated with the air conditioning of the building.
- Extensive colour palette and wide range of highly durable coatings.



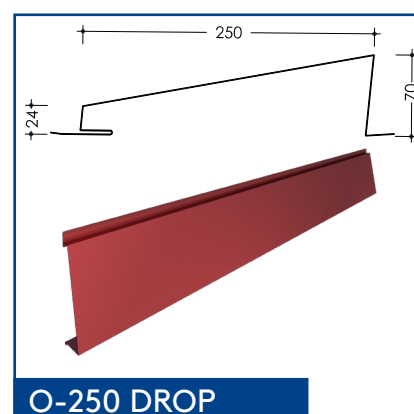
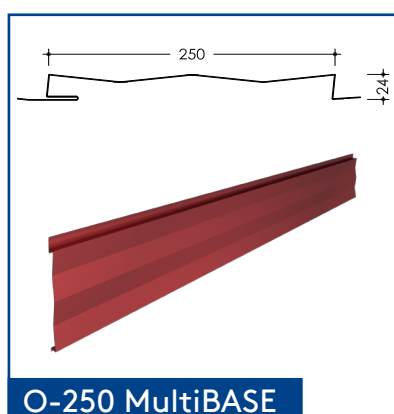
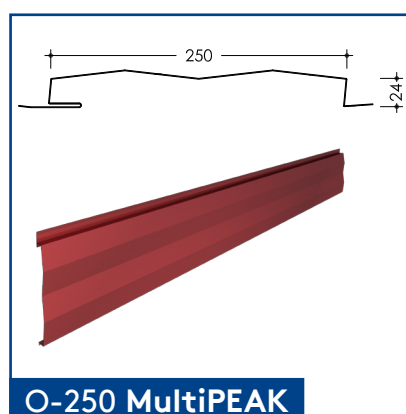
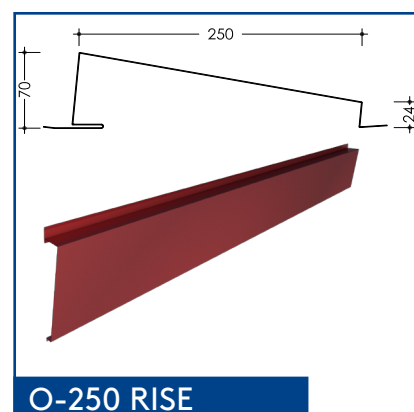
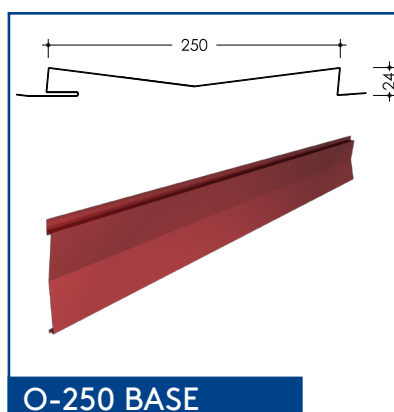
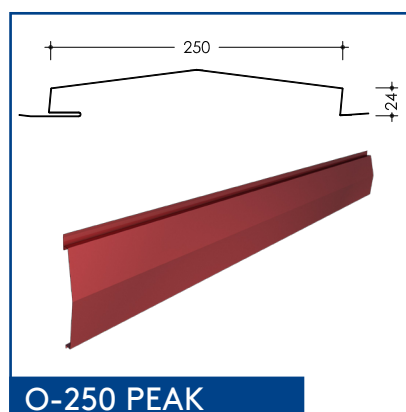
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TECHNICAL CHARACTERISTICS



Useful width	250 mm
Length	500 to 7.500 mm (Omega O-250: 6.000 mm)
Type steel / aluminium	Steel S220GD / Aluminium 3105 H24
Thicknesses	Steel: 0,7 - 0,8 mm (check stock for 0.8 mm)
	Aluminium: 0,8 - 0,9 mm
Steel coatings	Standard: Granite HDS 35 micras Z225
	Special: Granite HDX, PVDF
Standard colours	Black RAL 9005, White 1006, Red 7001, Blue RAL 5002, Anthracite Grey RAL 7016, Slate Grey RAL 7015, Aluminium Grey RAL 9007, Metallic Grey RAL 9006
Perforations in slats	Supply with borehole R5T13
Thermal bridge break	Cross-linked polyethylene film (dens. 30 kg/m ³) bonded to Omega O250 support profile



REGULATIONS AND CERTIFICATIONS



SLATS O-250: CE marking according to EN 14782:2006 (Metal sheets for roof and facade cladding) and EN 1090-1:2009+A1:2011 (Manufacture and construction of steel structures).

OMEGA O-250: CE-marked according to EN 1090-1:2009+A1:2011, the steel used complies with EN 10346 (galvanised coating) and EN 10169 (organic coatings).

WARRANTY

10-year manufacturer's warranty (see conditions of application).

PACKAGING

Positive-negative packaging, with paper and strapping on wooden pallet.

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STEEL S220GD

SLATS O-250 RISE, O-250 DROP

e (mm)	Case	Distance between support profiles O-250 (mm)											
		400	450	500	550	600	650	700	750	800	850	900	950
0,7	Pressure	169	150	135	123	113	104	97	90	85	80	75	71
	Suction	100	90	75	71	71	65	65	64	57	54	51	48
0,8	Pressure	192	171	155	140	128	118	110	103	96	90	85	81
	Suction	140	128	116	94	87	80	79	79	70	66	62	59

Maximum permissible loads (daN/m²) 1kp/m² ≈ 1 daN/m²

REST OF SLATS

e (mm)	Case	Distance between support profiles O-250 (mm)											
		400	450	500	550	600	650	700	750	800	850	900	950
0,7	Pressure	169	150	135	123	113	104	97	90	85	80	75	71
	Suction	108	97	78	71	71	65	65	64	57	54	51	48
0,8	Pressure	192	171	155	140	128	118	110	103	96	90	85	81
	Suction	150	133	120	94	87	80	79	79	70	66	62	59

Maximum permissible loads (daN/m²) 1kp/m² ≈ 1 daN/m²

S220GD PERFORATED STEEL (R5T13)

SLATS O-250 RISE, O-250 DROP

e (mm)	Case	Distance between support profiles O-250 (mm)											
		400	450	500	550	600	650	700	750	800	850	900	950
0,7	Pressure	127	114	104	75	69	63	57	55	51	48	45	42
	Suction	71	66	59	57	57	53	51	48	44	42	41	38
0,8	Pressure	155	138	125	113	104	96	86	83	78	66	62	58
	Suction	106	99	93	76	70	65	64	64	56	53	50	47

Maximum permissible loads (daN/m²) 1kp/m² ≈ 1 daN/m²

REST OF SLATS

e (mm)	Case	Distance between support profiles O-250 (mm)											
		400	450	500	550	600	650	700	750	800	850	900	950
0,7	Pressure	137	122	109	88	81	74	67	64	60	56	52	49
	Suction	86	76	63	57	57	53	52	51	46	43	41	39
0,8	Pressure	155	138	125	113	104	96	89	83	78	72	67	63
	Suction	120	107	96	76	70	65	64	64	56	53	50	47

Maximum permissible loads (daN/m²) 1kp/m² ≈ 1 daN/m²

NOTES:

Design criterion: maximum permissible deflection of 10 mm. The values given in the table are permissible loads without majoring, which must be compared with the characteristic wind load (without majoring) for each project. The tables are only valid for pre-dimensioning. The designer must carry out the structural calculation in accordance with the applicable regulations in each country. Kingspan | Teczone expressly disclaims any liability arising from the use of these tables.

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ALUMINIUM 3105 H24

SLATS O-250 RISE, O-250 DROP

		Distance between support profiles O-250 (mm)													
e (mm)	Case	200	300	400	450	500	550	600	650	700	750	800	850	900	950
0,8	Pressure	203	146	109	97	88	80	73	67	63	58	55	48	45	42
	Suction	96	88	72	67	63	54	49	45	45	45	40	37	35	33
0,9	Pressure	257	185	139	123	111	101	92	85	79	74	69	61	57	53
	Suction	121	112	91	85	80	68	62	58	57	57	50	47	45	42

Maximum permissible loads (daN/m²) 1kp/m² ≈ 1 daN/m²

REST OF SLATS

		Distance between support profiles O-250 (mm)													
e (mm)	Case	200	300	400	450	500	550	600	650	700	750	800	850	900	950
0,8	Pressure	219	146	109	97	88	80	73	67	63	58	55	51	49	46
	Suction	137	113	85	75	68	54	49	45	45	45	40	37	35	33
0,9	Pressure	277	185	139	123	111	101	92	85	79	74	69	65	62	58
	Suction	174	143	107	95	86	68	62	58	57	57	50	47	45	42

Maximum permissible loads (daN/m²) 1kp/m² ≈ 1 daN/m²

ALUMINIUM 3105 H24 PERFORATED R5T13

SLATS O-250 RISE, O-250 DROP

		Distance between support profiles O-250 (mm)													
e (mm)	Case	200	300	400	450	500	550	600	650	700	750	800	850	900	950
0,8	Pressure	93	78	65	59	53	39	36	34	29	28	26	22	21	19
	Suction	47	43	35	33	31	29	28	28	26	24	22	21	20	19
0,9	Pressure	118	99	83	74	67	49	45	43	36	35	33	28	26	24
	Suction	59	55	45	42	39	37	36	35	33	30	28	27	26	24

Maximum permissible loads (daN/m²) 1kp/m² ≈ 1 daN/m²

REST OF SLATS

		Distance between support profiles O-250 (mm)													
e (mm)	Case	200	300	400	450	500	550	600	650	700	750	800	850	900	950
0,8	Pressure	102	85	71	64	57	42	39	37	31	30	28	24	22	21
	Suction	75	69	56	52	49	43	40	37	36	37	32	30	28	27
0,9	Pressure	129	107	90	81	73	53	49	46	40	39	36	30	28	26
	Suction	94	87	71	66	62	55	50	47	46	46	41	38	36	34

Maximum permissible loads (daN/m²) 1kp/m² ≈ 1 daN/m²

NOTES:

Design criterion: maximum permissible deflection of 10 mm. The values given in the table are permissible loads without majoring, which must be compared with the characteristic wind load (without majoring) for each project. The tables are only valid for pre-dimensioning. The designer must carry out the structural calculation in accordance with the applicable regulations in each country. Kingspan | Teczone expressly disclaims any liability arising from the use of these tables.

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