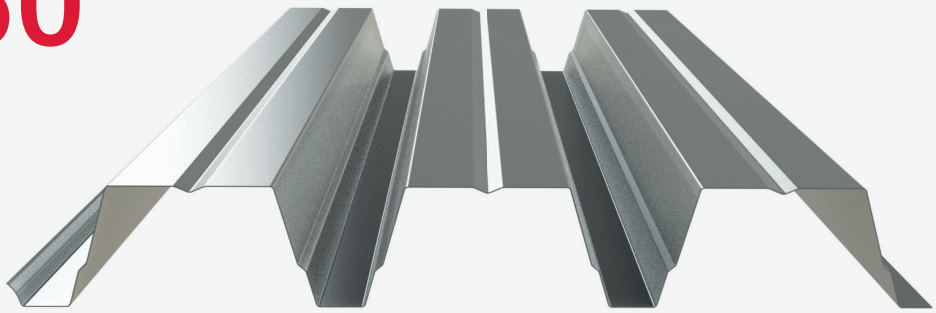
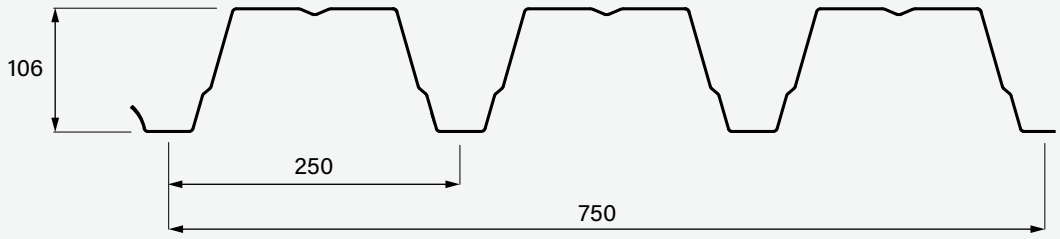
Warm roof profiles

106R/750





Technical properties

Profile plate type	Steel thickness [mm]	Weight [kg/m²]	I_{eff} [cm⁴/m]
106R/750	0.70	9.2	148.06
	0.75	9.8	163.45
	0.88	11.5	200.53
	1.00	13.1	235.36

Steel grade S280GD, S320GD

Coatings Colorcoat HPS200 Ultra®, Prisma® 65, Prisma® 40, Granite® HDX, Granite® HDS, Polyester, Magnelis® ZM120, Galvanised Z275, Interior coating, Aluzinc 185

Optional Perforated, anti-condensation felt, drainage holes ctc (centre-to-centre) distance 1,500 mm

Dimensions
Length [mm]

Standard	1,200 - 15,000
Minimum	800
Maximum	25,100

Packaging

Max. number per package	40 off
Max. weight per package	2,500 kg

Certificates CE, ISO 9001 (Quality Assurance Management), ISO 14001 (Environmental Management), BES 6001 Responsible Sourcing

Standard dimensioning NEN-EN 1090-4

106R/750

Span table

Deflection requirement	L/250
Steel grade	S320GD
Bearing	≥ 180mm

Permanent load	**Tare weight of roof panel**	0.085 - 0.131	kN/m²
	Solar panels	0.20	kN/m²
	Ceiling/piping	0.10	kN/m²
	PIR (Rc 6.3) 140mm	0.06	kN/m²
	PVC 1.5mm	0.02	kN/m²

Maximum span [m] at specified uniformly distributed loads in combination with imposed load of 1.00 kN/m².
The units used in the table above are based on Dutch norms.

106R/750

Profile plate type	Thick-ness	Steel sheet	Permanent load	CC1			CC2		
				1 fields	2 fields	3 fields	1 fields	2 fields	3 fields
	[mm]	[kg/m²]	[kN/m²]	[m]	[m]	[m]	[m]	[m]	[m]
106R/750	0.70	9.20	0.38	4.02	5.33	4.96	4.02	4.96	4.96
	0.75	9.80	0.38	4.15	5.56	5.13	4.15	5.26	5.13
	0.88	11.50	0.38	4.42	5.93	5.46	4.42	5.93	5.46
	1.00	13.10	0.38	4.66	6.23	5.75	4.66	6.23	5.75

106R/750 PERFO

Profile plate type	Thick-ness	Steel sheet	Permanent load	CC1			CC2		
				1 fields	2 fields	3 fields	1 fields	2 fields	3 fields
	[mm]	[kg/m²]	[kN/m²]	[m]	[m]	[m]	[m]	[m]	[m]
106R/750 PERFO	0.70	8.50	0.38	3.69	3.32	3.72	3.69	3.11	3.50
	0.75	9.00	0.38	3.79	3.63	4.07	3.79	3.41	3.82
	0.88	10.60	0.38	4.06	4.40	4.93	4.06	4.14	4.65
	1.00	12.10	0.38	4.27	5.08	5.28	4.27	4.78	5.28

Principles

- Basis of structural design in accordance with NEN-EN 1990/NB
- Actions on structures in accordance with NEN-EN 01/01/1991/NB