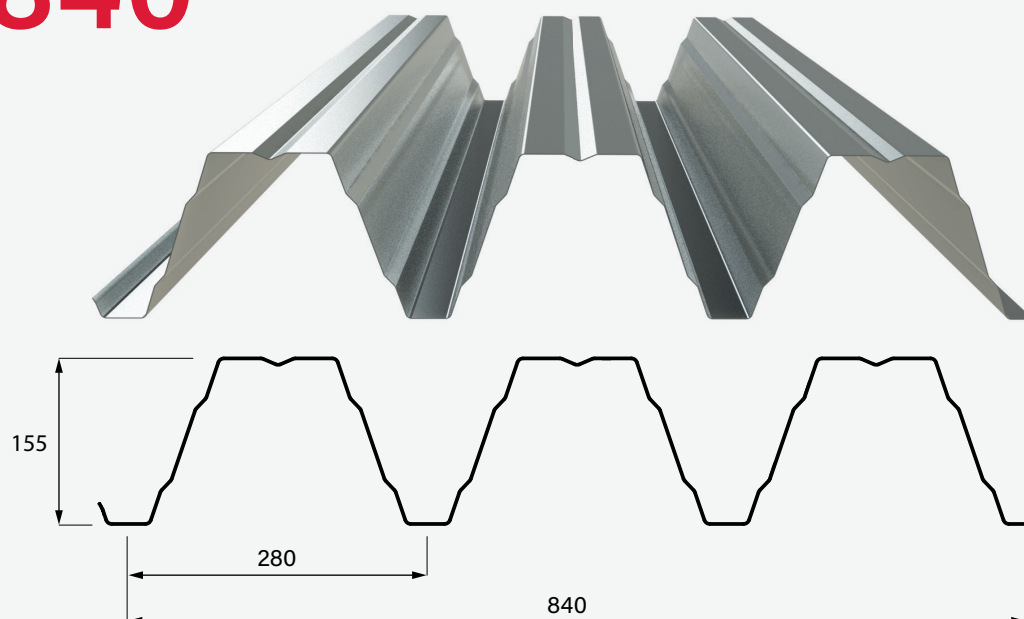


155R/840



Technical properties

Profile plate type	Steel thickness [mm]	Weight [kg/m ²]	I _{eff} [cm ⁴ /m]
155R/840	0.75	10.5	365.45
	0.88	12.3	443.61
	1.00	14.0	506.85
	1.13	15.8	580.37
	1.25	17.5	644.15
	1.50	21.0	776.96

Steel grade

S320GD

Coatings

Colorcoat HPS200 Ultra®, Polyester, Magnelis® ZM120, Galvanised Z275, Interior coating, Reflective white

Optional

Perforated, drainage holes ctc (centre-to-centre) distance 1,500mm

Dimensions

Standard 1,500 - 15,000

Length [mm]

Minimum 1,500

Maximum 25,100

Packaging

Max. number per package 50 off (not applicable when perforated)

Max. weight per package 2,500kg

Certificates


Standard dimensioning NEN-EN 1090-4

155R/840

Span table

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

Permanent load	Tare weight of roof panel	0.10 - 0.21	kN/m ²
	Solar panels	0.20	kN/m ²
	Ceiling/piping	0.10	kN/m ²
	PIR (Rc 6.3) 140mm	0.06	kN/m ²
	PVC 1.5mm	0.02	kN/m ²

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.

155R/840

Profile plate type	Thick- ness	Steel sheet	Permanent load	CC1			CC2		
				1 field	2 fields	3 fields	1 field	2 fields	3 fields
				[m]	[m]	[m]	[m]	[m]	[m]
155R/840	0.75	10.5	0.38	5.41	6.15	6.69	5.41	5.79	6.50
	0.88	12.3	0.38	5.75	7.20	7.10	5.75	6.79	7.10
	1.00	14.0	0.38	5.98	8.04	7.40	5.98	7.62	7.40
	1.13	15.8	0.38	6.25	8.37	7.71	6.25	8.27	7.71
	1.25	17.5	0.38	6.44	8.63	7.96	6.44	8.63	7.96
	1.50	21.0	0.38	6.80	9.12	8.42	6.80	9.12	8.42

155R/840 PERFO

Profile plate type	Thick- ness	Steel sheet	Permanent load	CC1			CC2		
				1 field	2 fields	3 fields	1 field	2 fields	3 fields
				[m]	[m]	[m]	[m]	[m]	[m]
155R/840 PERFO	0.75	10.0	0.38	5.36	5.54	6.22	5.36	5.19	5.84
	0.88	11.6	0.38	5.70	6.59	7.05	5.70	6.18	6.95
	1.00	13.2	0.38	5.93	7.45	7.35	5.93	7.02	7.35
	1.13	14.9	0.38	6.19	8.30	7.65	6.19	7.85	7.65
	1.25	16.5	0.38	6.38	8.56	7.90	6.38	8.50	7.90
	1.50	19.8	0.38	6.75	9.05	8.35	6.75	9.05	8.35

Principles

- Basis of structural design in accordance with NEN-EN 1990/NB
- Actions on structures in accordance with NEN-EN 1991-1-1 + NB