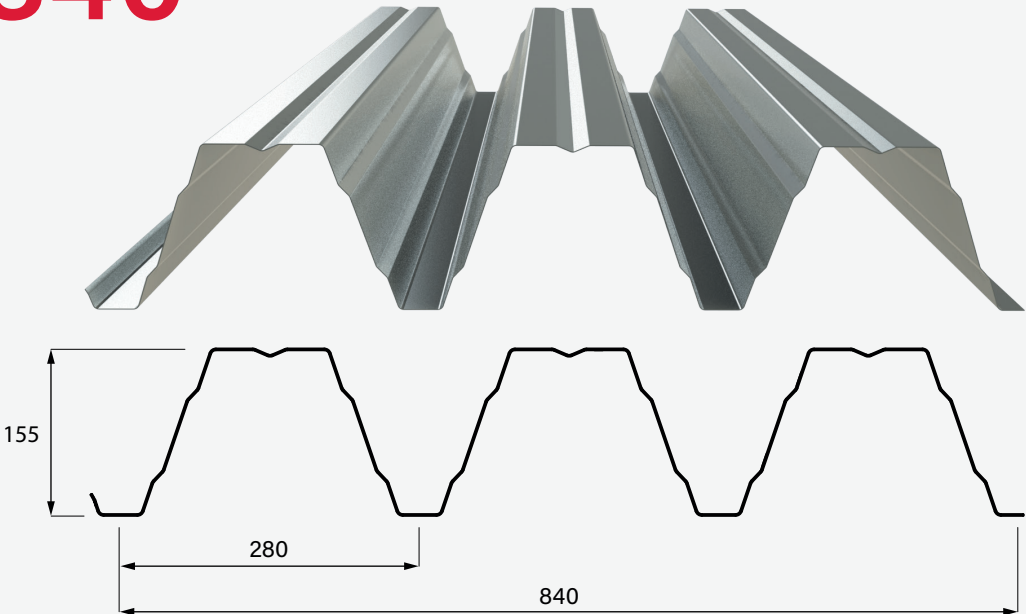


155R/840



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



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