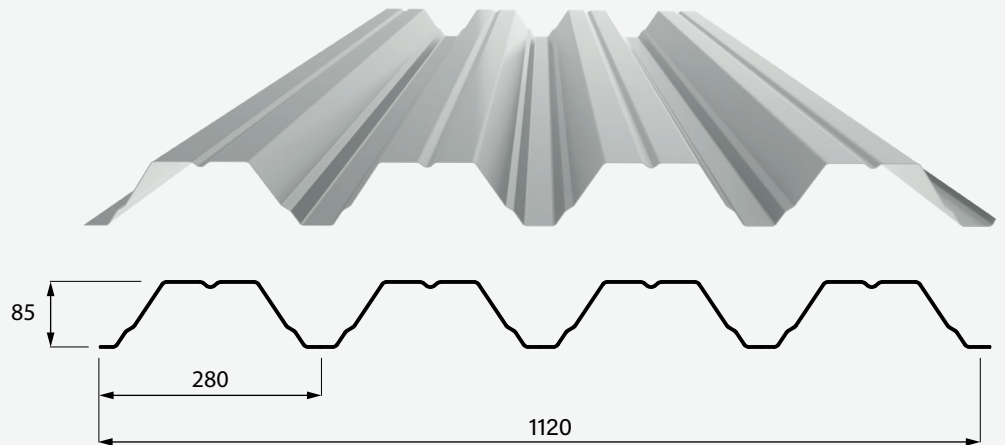


# 85R/1120



## Technical properties

Profile plate type	Steel thickness [mm]	Weight [kg/m <sup>2</sup> ]	I <sub>eff</sub> [cm <sup>4</sup> /m]
<b>85R/1120</b>	0.75	7.9	91.00
	0.88	9.3	108.00
	1.00	10.5	123.00
	1.13	11.9	140.00
	1.25	13.1	155.00
	1.50	15.8	187.00

**Steel grade** S320GD  
**Coatings** Polyester, Magnelis® ZM100, Magnelis® ZM120, Aluzinc 185  
**Optional** Anti-condensation felt

**Dimensions** Standard 1,500 - 15,000  
**Length [mm]** Minimum 600  
 Maximum 24,000

**Packaging** Max. number per package Not known  
 Max. weight per package 3,000kg

**Certificates**



# 85R/1120

## Span table

Deflection requirement	L/250
Steel grade	S320GD
Bearing	≥ 120mm

Permanent load	Tare weight of roof panel	0.08 - 0.16	kN/m <sup>2</sup>
	Solar panels	0.20	kN/m <sup>2</sup>
	Ceiling/piping	0.10	kN/m <sup>2</sup>
	PIR (Rc 6.3) 140mm	0.06	kN/m <sup>2</sup>
	PVC 1.5mm	0.02	kN/m <sup>2</sup>

Maximum span [m] at specified uniformly distributed loads in combination with imposed load of 1.00 kN/m<sup>2</sup>.

The units used in the table above are based on Dutch norms.

## 85R/1120

Profile plate type	Thick-ness [mm]	Steel sheet [kg/m <sup>2</sup> ]	Permanent load [kN/m <sup>2</sup> ]	CC1			CC2		
				1 field	2 fields	3 fields	1 field	2 fields	3 fields
				[m]	[m]	[m]	[m]	[m]	[m]
85R/1120	0.75	7.9	0.38	3.42	4.59	4.24	3.42	4.59	4.24
	0.88	9.3	0.38	3.61	4.84	4.47	3.61	4.84	4.47
	1.00	10.5	0.38	3.76	5.04	4.65	3.76	5.04	4.65
	1.13	11.9	0.38	3.92	5.25	4.84	3.92	5.25	4.84
	1.25	13.1	0.38	4.04	5.42	5.00	4.04	5.42	5.00
	1.50	15.8	0.38	4.28	5.73	5.29	4.28	5.73	5.29

## Principles

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