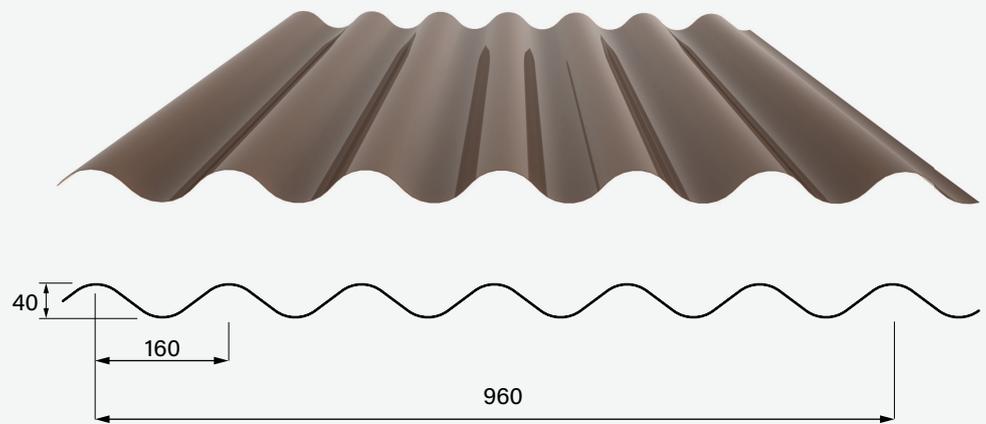


40/960



Technical properties

Profile plate type	Steel thickness [mm]	Weight [kg/m ²]	I _{eff} [cm ⁴ /m]
40/960	0.70	7.2	16.10

Steel grade	S280GD, S320GD
Coatings	Colorcoat HPS200 Ultra®, Prisma® 65, Prisma® 40, Granite® HDX, Granite® HDS, Polyester, Wood grain plastisol, Delft Unique Color, Interior coating
Optional	Perforated, anti-condensation felt
Dimensions	Standard 500 - 10,000
Length [mm]	Minimum 330 Maximum 14,000
Packaging	Max. number per package 50 off Max. weight per package 2,000kg
Certificates	   
Standard dimensioning	NEN-EN 14782

Span table external wall profile

Deflection requirement	L/150
Steel grade	S320GD
Bearing	60mm
Consequence class (CC)	CC1

Maximum span [m] at specified wind load in kN/m².

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

Wind area I

Profile plate type	Thick- ness	Steel sheet	Terrain category 0 (coastal area)			Terrain category I (flat and horizontal area)			Terrain category II (area with isolated obstacles (trees, buildings))		
			$q_p = 1.55 \text{ kN/m}^2 \& W_e + W_i = 1.79 \text{ kN/m}^2$			$q_p = 0.98 \text{ kN/m}^2 \& W_e + W_i = 1.14 \text{ kN/m}^2$			$q_p = 0.77 \text{ kN/m}^2 \& W_e + W_i = 0.90 \text{ kN/m}^2$		
			1 field	2 fields	3 fields	1 field	2 fields	3 fields	1 field	2 fields	3 fields
	[mm]	[kg/m ²]	[m]	[m]	[m]	[m]	[m]	[m]	[m]	[m]	
40/960	0.70	7.2	2.02	2.71	2.52	2.36	3.16	2.93	2.55	3.42	3.17

Wind area II

Profile plate type	Thick- ness	Steel sheet	Terrain category 0 (coastal area)			Terrain category I (flat and horizontal area)			Terrain category II (area with isolated obstacles (trees, buildings))		
			$q_p = 1.29 \text{ kN/m}^2 \& W_e + W_i = 1.5 \text{ kN/m}^2$			$q_p = 0.82 \text{ kN/m}^2 \& W_e + W_i = 0.95 \text{ kN/m}^2$			$q_p = 0.65 \text{ kN/m}^2 \& W_e + W_i = 0.75 \text{ kN/m}^2$		
			1 field	2 fields	3 fields	1 field	2 fields	3 fields	1 field	2 fields	3 fields
	[mm]	[kg/m ²]	[m]	[m]	[m]	[m]	[m]	[m]	[m]	[m]	
40/960	0.70	7.2	2.15	2.88	2.67	2.50	3.35	3.11	2.70	3.63	3.36

Wind area III

Profile plate type	Thick- ness [mm]	Steel sheet [kg/m ²]	Terrain category I (flat and horizontal area)			Terrain category II (area with isolated obstacles (trees, buildings))		
			$q_p = 0.68 \text{ kN/m}^2$ & $W_e + W_i = 0.79 \text{ kN/m}^2$ $q_p = 0.53 \text{ kN/m}^2$ & $W_e + W_i = 0.62 \text{ kN/m}^2$					
			1 field [m]	2 fields [m]	3 fields [m]	1 field [m]	2 fields [m]	3 fields [m]
40/960	0.70	7.2	2.67	3.58	3.32	2.89	3.87	3.59

Principles

- Basis of structural design in accordance with NEN-EN 1990/NB
- Actions on structures in accordance with NEN-EN 1991-1-4/NB
- Span table for external wall profile