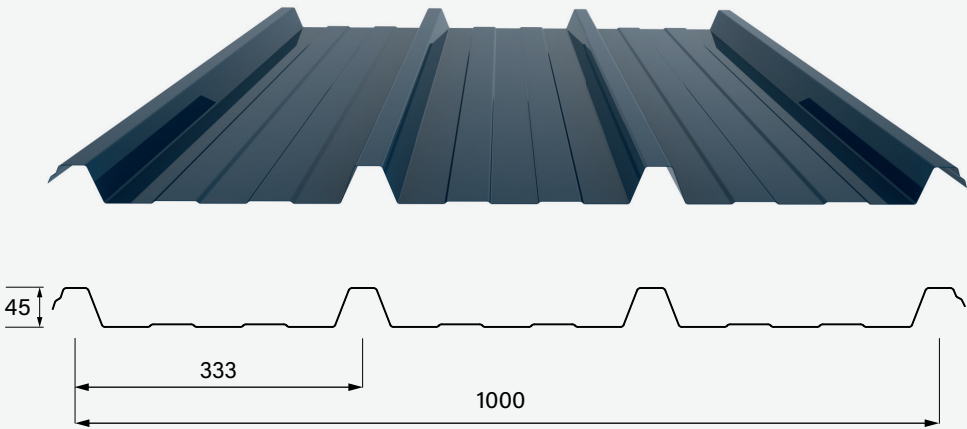


45KD/1000



Technical properties

Profile plate type	Steel thickness [mm]	Weight [kg/m ²]	I _{eff} [cm ⁴ /m]
45KD/1000	0.63	6.2	13.00
	0.70	6.9	14.85
	0.75	7.4	16.20

Steel grade	S280GD, S320GD		
Coatings	Colorcoat HPS200 Ultra®, Prisma® 65, Prisma® 40, Granite® HDX, Granite® HDS, Polyester, Delft Unique Color, Magnelis® ZM100, Magnelis® ZM120, Galvanised Z275, Interior coating, Aluzinc 185		
Optional	Anti-condensation felt		
Dimensions	Standard	1,200 - 18,000	
Length [mm]	Minimum	500	
	Maximum	18,000	
Packaging	Max. number per package	50 off	
	Max. weight per package	2,000kg	
Certificates	   		
Standard dimensioning	NEN-EN 14782		

45KD/1000

Span table

Deflection requirement	L/250
Steel grade	S320GD
Bearing	60mm

Permanent load	Tare weight of roof panel	0.06 - 0.08	kN/m ²
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Maximum span [m] at specified uniformly distributed permanent load in combination with imposed load of 1.00 kN/m².

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

45KD/1000

Profile plate type	Thick- ness [mm]	Steel sheet [kg/m ²]	Permanent load [kN/m ²]	CC1			CC2		
				1 field	2 fields	3 fields	1 field	2 fields	3 fields
				[m]	[m]	[m]	[m]	[m]	[m]
45KD/1000	0.63	6.2	0.06	1.61	1.95	1.97	1.51	1.80	1.83
	0.70	6.9	0.07	1.98	2.40	2.43	1.83	2.15	2.20
	0.75	7.4	0.08	2.19	2.72	2.68	2.00	2.50	2.48

Principles

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