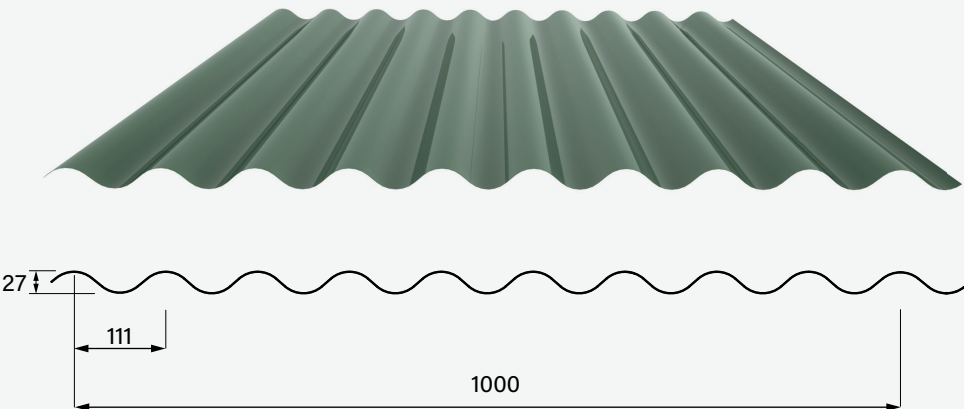


27KD/1000



Technical properties

Profile plate type	Steel thickness [mm]	Weight [kg/m ²]	I _{eff} [cm ⁴ /m]
27KD/1000	0.63	6.2	5.90
	0.70	6.9	6.60
	0.75	7.4	7.10

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	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		

27KD/1000

Span table

Deflection requirement	L/250
Steel grade	S280GD
Bearing	40mm

Permanent load	Tare weight of roof panel	0.06 - 0.09	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.

27KD/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]
27KD/1000	0.63	6.2	0.06	1.51	2.02	1.90	1.51	1.87	1.90
	0.70	6.9	0.07	1.56	2.09	1.96	1.56	2.07	1.96
	0.75	7.4	0.07	1.59	2.13	2.00	1.59	2.13	2.00

Principles

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