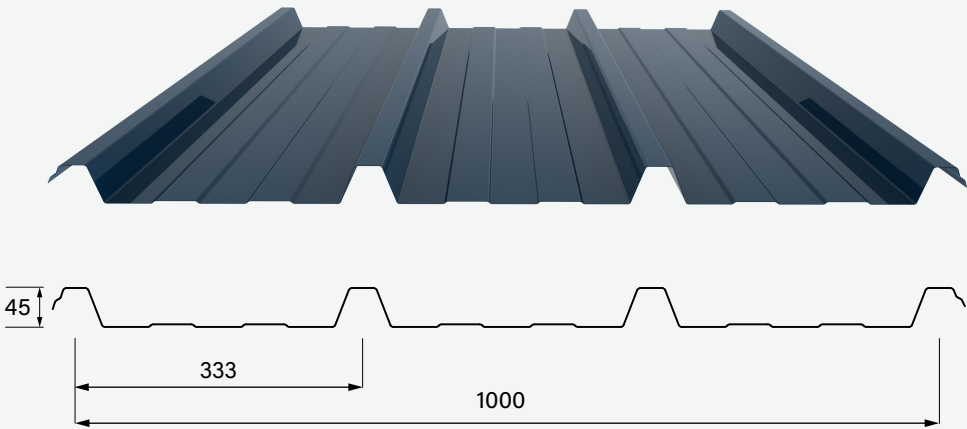


# 45KD/1000



## Technical properties

| Profile plate type | Steel thickness [mm] | Weight [kg/m <sup>2</sup> ] | I <sub>eff</sub> [cm <sup>4</sup> /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



# 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 <sup>2</sup> |
|----------------|---------------------------|-------------|-------------------|

Maximum span [m] at specified uniformly distributed permanent load 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.

## 45KD/1000

| Profile plate type | Thick-<br>ness<br>[mm] | Steel sheet<br>[kg/m <sup>2</sup> ] | Permanent<br>load<br>[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]      |
| 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