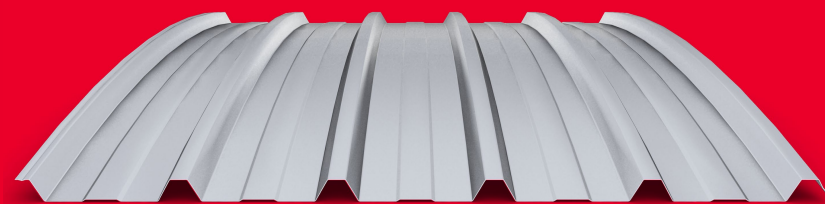


INCO 30.5 Curved®

CURVED ROOFING



- > Curved roofing
- > Cover width: 1.050 mm
- > Height: 30 mm
- > Pitch: 210 mm

Description

The INCO 30.5 profile is used as a curved exterior cladding profile for simple or multi-layer self-supporting curved roofs of industrial warehouses, shopping centers, sports facilities, among others. This profile combines resistance with economy for the different metal enclosure solutions.

Manufacturing conditions

- > Min / Max Manufacturing Length: 2 / 8 m
- > Thickness Range:
0,60 | 0,70 | 0,80 | 1,00 | 1,20 mm
- > Minimum Order: 250 m²
- > Package Weight: 1.500 - 2.000 kg
- > Color: White. Others on request
- > Color Position: A

Transport conditions

Thickness (mm)	Surface* (m ²)
0,60	3.900
0,70	3.300
0,80	2.900
1,00	2.300
1,20	1.900

* special transport for spans greater than 13 m

Material

- > Steel grade EN 10346
- > Organic coating EN 10169
- > Dimensional tolerances EN 10143
- > Fire reaction EN 14782

Finishing

- > Galvanized steel (Z) and Magnelis (ZM)
- > Standard painted steel (15-25 µm)
- > High-performance steel (35-200 µm)
- > Perforated for acoustic solutions

Complementary articles

- > Translucent polycarbonate INCOPOL 30.5
- > Tight Joint Upper/ Lower
- > Trimming

Tables information

- > Checks: bending, shear, buckling and deflection according to the Eurocode 3 standard: UNE-EN 1993-1-3
- > These values should be compared with factored load combinations on the horizontal projection
- > The self-weight of the profile is included
- > Equally spaced support. For unequal distances, request a calculation report
- > Example: thickness 0,70 mm, 2 spans, distance between supports 2,25 m, S220GD, intermediate support 10 mm, wind load = 71 daN/m²

Calculation information

- > Calculation hypothesis:
ULS down: $Q = 1,35 \times PP + 1,50 \times SU$
SLS down: $Q = 1,00 \times PP + 1,00 \times SU$
ULS upw: $Q = 0,80 \times (PP + CP) - 1,50 \times SU$
SLS upw: $Q = 0,80 \times (PP + CP) - 1,00 \times SU$
PP: Self weight | SU: Live load
CP: Permanent load
down: downward | upw: upward
- > Coefficient $Y_{M1} = 1,05$

Related documents

- > General catalog
- > Technical datasheet
- > Technical manual
- > Declaration of Performance (DDP / DOP)

Start designing your curved roofing



Find on our website all technical documentation what you need to start design your project.

www.incoperfil.com/solution



Use forms for request a specific report for your project.

www.incoperfil.com/cas

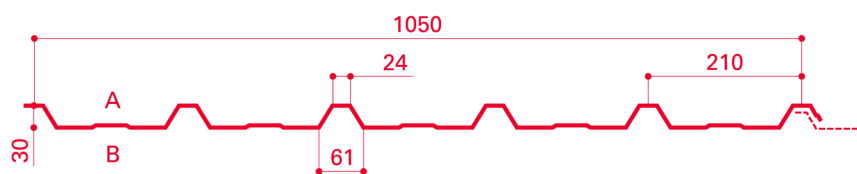


Request support from our technical department for design and select the system more appropriate.

dpto_tecnico@incoperfil.com

INCO 30.5 Curved[®]

CURVED ROOFING



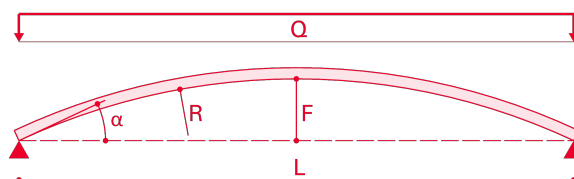
Material: Steel
Yield strength (N/mm²): 280
Deflection (mm): L/250

Dimensions in mm

Profile features

Thickness (mm)	Weight (daN/m ²)	Gross area (mm ² /m)	Gross inertia (mm ⁴ /mm)	Eff. inertia + (mm ⁴ /mm)	Eff. inertia - (mm ⁴ /mm)	W + (mm ³ /m)	W - (mm ³ /m)
0,60	5,70	714	81.614	77.846	55.015	3.443	3.251
0,70	6,60	833	95.165	94.361	67.746	4.199	3.849
0,75	7,10	893	101.935	101.533	74.393	4.517	4.149
0,80	7,50	952	108.704	108.705	81.041	4.835	4.450
1,00	9,40	1.190	135.746	135.746	108.848	6.009	5.654
1,20	11,30	1.429	162.744	162.744	137.760	7.169	6.853

Maximum load (daN/m²)



Radius, R (mm)

Height, F (mm)

Angle, α (°)