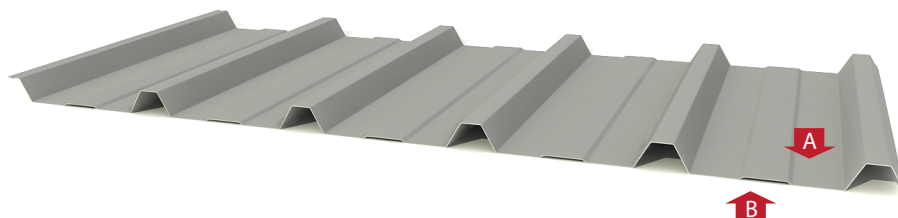


Product



Curved



Perforated



Overlap

Working Length: 1050 mm
Height Profile: 30 mm

Description

The INCO 30.5 profile is used for both roofs and facades (single or sandwich) of industrial buildings, shopping centers, sports facilities, etc. This profile combines resistance with economy for the metal cladding solution. This profile can be curved (without bearing capacity) for use as an external closure of self-supporting curved covers.

This profile is available both in galvanized and in the different pre-lacquer colors. Also for acoustic improvement applications it can be made with perforated steel.

Applications

- Industrial: hangars, plants, water tanks.
- Agricultural: stables, sheds.
- Comercial: open spaces, sport, walled.
- Public: schools, gymnasium, pavilions.

Complementary Articles

- INCOLUX 30.5 (Skylight of Polyester)
- INCOPOL 30.5 (Skylight of Polycarbonate)
- Tight Joint INCO 30.5 Upper/ Lower
- Trimming

Related Documents

- General Catalogue
- Technical Sheet
- Technical Dossier
- Declaration of Performance (DDP / DOP)

Material

Steel	EN 10346
Organic Coating	EN 10169
Dimensional Tolerance	EN 10346
Reaction to Fire	EN 14782

Finishing

- Galvanized
- Standard Organic Coating / High Organic Coating
- Specialty Materials: Corten Steel and Magnelis
- Perforated for Acoustic Solutions

Manufacturing Conditions

Manufacturing Length	Min. / Max. 2.000 / 14.000 mm
Thickness Range	0,60 0,70 0,75 0,80 1,00 1,20 mm
Minimal Order	250 m ²
Package Weight	1.500-2.000 kg
Colour	White RAL 9003. Other on demand
Colour Position	A

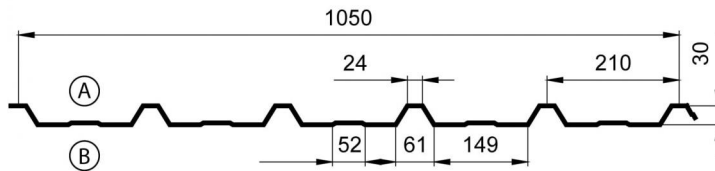
Transport Conditions

Thickness(mm)	Surface* (m ²)	Thickness(mm)	Surface* (m ²)
0,60	3.900	0,80	2.900
0,70	3.300	1,00	2.300
0,75	3.100	1,20	1.900

* estimated area depending on cutting length

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Dimensions



Eff. Width: 1050 mm

Dim. in mm

Material characteristics

Material	Steel
Yield Strength (N/mm ²)	220
Elasticity Modulus (N/mm ²)	210.000
Density (Kg/m ³)	7.850

Roof Parameters

End Left-Right	supported - supported
Position	horizontal
Width of Supports (mm)	10
Extreme Supports Width (mm)	10

Section values

Thickness (mm)	Weight (daN/m ²)	Effective Area (mm ² /m)	M. Inertia (mm ⁴ /m)			Section Modulus (mm ³ /m)	
			Gross	Effective +	Effective -	Effective +	Effective -
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
0,80	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

Load Tables

Live Load (daN/m²)

Thickness (mm)	Maximum Span Length (m)										1 Span Δ
	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75
0,60	241 / 227	166 / 156	115 / 113	75 / 86	51 / 66	36 / 53	26 / 43	18 / 35	14 / 29	10 / 24	7 / 20
0,70	294 / 269	202 / 185	137 / 134	89 / 101	61 / 79	43 / 63	31 / 51	22 / 41	16 / 35	11 / 29	8 / 24
0,80	339 / 311	233 / 214	157 / 155	103 / 117	70 / 91	49 / 73	35 / 59	25 / 48	19 / 40	13 / 33	9 / 29
1,00	421 / 396	290 / 272	196 / 198	128 / 149	88 / 116	62 / 92	44 / 75	32 / 62	23 / 51	17 / 43	12 / 36
1,20	502 / 480	346 / 330	234 / 240	154 / 181	104 / 140	74 / 112	52 / 90	38 / 74	28 / 62	20 / 52	14 / 44

Thickness (mm)	Maximum Span Length (m)										2 Span $\Delta \Delta$
	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75
0,60	158 / 239	117 / 165	90 / 120	71 / 90	57 / 70	47 / 56	39 / 46	33 / 38	28 / 31	24 / 26	20 / 22
0,70	199 / 291	146 / 201	112 / 146	88 / 111	71 / 86	58 / 69	48 / 55	40 / 46	34 / 38	29 / 32	24 / 27
0,80	241 / 336	177 / 231	135 / 169	106 / 127	85 / 99	69 / 79	57 / 64	48 / 53	40 / 44	33 / 37	28 / 31
1,00	330 / 418	240 / 288	182 / 210	142 / 158	114 / 124	92 / 98	75 / 80	62 / 66	51 / 55	43 / 46	36 / 39
1,20	420 / 498	304 / 343	230 / 250	179 / 189	140 / 147	112 / 117	90 / 95	74 / 78	62 / 65	52 / 54	44 / 46

Thickness (mm)	Maximum Span Length (m)										3 Span $\Delta \Delta \Delta$
	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75
0,60	190 / 299	142 / 206	110 / 151	87 / 114	70 / 89	58 / 72	48 / 58	40 / 48	30 / 40	23 / 34	18 / 29
0,70	240 / 364	178 / 252	137 / 184	108 / 139	87 / 109	72 / 87	60 / 71	47 / 59	36 / 49	27 / 41	21 / 35
0,80	292 / 420	215 / 291	165 / 212	130 / 161	105 / 126	87 / 101	72 / 82	54 / 68	41 / 57	31 / 48	25 / 41
1,00	400 / 522	293 / 361	224 / 264	176 / 200	141 / 156	116 / 125	91 / 102	68 / 84	52 / 70	40 / 60	30 / 51
1,20	512 / 622	373 / 430	283 / 314	221 / 238	177 / 186	142 / 149	108 / 122	81 / 100	62 / 84	47 / 71	36 / 60

Calculation of Bending, Shear, dent, Deflection (L/ 200)

Calculus Notes

v20.04.01

Actions Combination:

ELU_{Down}: Q = 1,35 * Own Load + 1,50 * Live Load

ELS_{Down}: Q = 1,00 * Own Load + 1,00 * Live Load

ELU_{Up}: Q = 0,80 * Own Load - 1,50 * Wind

Note: the r

Normative:

UNE-EN 1993-1-3 Eurocode 3 Part 1-3

