



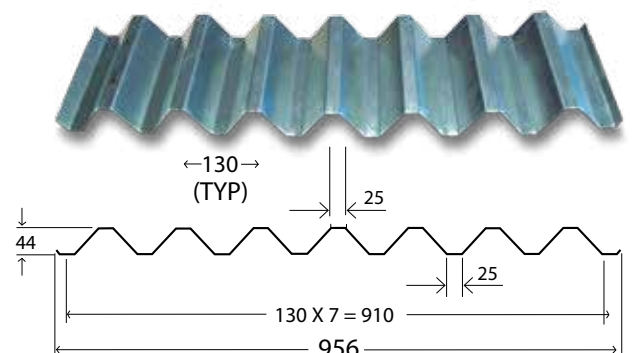
EZYDEK™ 44

EZYDEK™ 44 profile is a zinc-coated steel sheet that acts as a permanent formwork and provides a strong working platform during slab construction. The trapezoidal shape enables faster construction and ease in overlapping during installation. The EZYDEK™ 44 sheet supports the load of wet concrete, imposed construction load and imposed storage load. It acts as a permanent shuttering solution and provides simultaneous casting of multiple floors. The EZYDEK™ 44 sheet is available in customised lengths to meet customer specific requirements.

Available in multiple material choices, EZYDEK™ 44 profile provides ease of use and installation with safety. The EZYDEK™ 44 profile is a steel decking system for concrete, masonry or steel frame construction and is suitable for application in infrastructure, industrial and commercial segments.

EZYDEK™ 44 profile - Dimensions

EZYDEK™ 44 profile has an effective cover width of 910 mm and a depth of 44 mm. The profile has a pitch of 130 mm centre to centre and is available in Total Coated Thickness (TCT) from 0.7 mm to 1.5 mm.



EZYDEK™ 44 Profile

*All dimensions mentioned are in mm



Faster
Construction



Easy
Installation



High
Durability



Safety in
Construction



More
Savings

EZYDEK™ 44 panel properties and formwork table

Allowable loads in kg/sqm for 245 MPa EZYDEK™ 44 sheet

Geometrical properties of the material (yield strength of the material is 245 MPa)

Thick-ness (mm)	UNIT WT		Moment of Inertia	Section Modulus (Top)	Section Modulus (Bottom)
	KG/M	KG/SQM			
TCT*			cm ⁴	cm ³	cm ³
0.70	6.67	6.98	21.96	9.67	10.00
0.80	7.63	7.98	25.28	11.11	11.49
1.00	9.54	9.98	31.93	13.97	14.44
1.20	11.46	11.99	38.58	16.81	17.37
1.50	14.33	14.99	48.55	21.02	21.72

Note:

- The properties given above are for one meter width of the profile
- Code used for member check: 2010 AISI Specification - US (LRFD)
- Material grade- A36 and Zn coating of 275 g/sq.mt (nominal)
- Deflection limit: span/150
- Minimum width of support considered is 50 mm
- Above dimensions are nominal and as per IS standards
- TCT* - Total Coated Thickness
- Non standard sizes may also be provided on special request
- Weight calculations are based on supply width basis
- The above data has been derived from the tests conducted at our research centre and reproduction of the same in any form is strictly prohibited

Support span in meters

0.70mm TCT*	1	1.2	1.4	1.5	1.6	1.7	2	2.5	3
Single Span	1110	800	580	500	430	390	280	180	120
2 Span	1150	800	560	480	430	390	260	165	96
3 Span	1400	950	690	610	520	450	308	142	65

0.80mm TCT*	1	1.2	1.4	1.5	1.6	1.7	2	2.5	3
Single Span	1320	880	670	580	500	440	300	200	120
2 Span	1260	900	660	590	510	420	290	190	110
3 Span	1640	1130	820	720	640	550	350	160	75

1.0mm TCT*	1	1.2	1.4	1.5	1.6	1.7	2	2.5	3
Single Span	1680	1160	840	740	650	540	400	240	160
2 Span	1650	1150	840	740	630	530	410	220	150
3 Span	2060	1430	1020	900	760	640	420	200	85

1.20mm TCT*	1	1.2	1.4	1.5	1.6	1.7	2	2.5	3
single span	1920	1360	970	820	690	660	450	270	170
2 Span	1920	1390	990	870	690	660	470	260	160
3 Span	2450	1700	1200	1000	860	770	490	230	110

1.50mm TCT*	1	1.2	1.4	1.5	1.6	1.7	2	2.5	3
Single Span	2440	1650	1250	1020	870	710	490	290	190
2 Span	2450	1670	1200	1050	910	780	540	330	210
3 Span	3100	2100	1550	1300	1100	920	580	230	125

For more details please contact technical team of Tata BlueScope Steel

Key Features

- Speedy construction ensures faster project completion
- Simple trapezoidal profile enables ease in overlapping
- Acts as a permanent shuttering
- Stronger than conventional shuttering
- Enables the casting of multiple floors
- Ease of installation with safety
- Greater corrosion resistance provides long life
- Provides strong working platform for allied construction activities



Email us at : lysaght@tatabluescopesteel.com



Tata BlueScope Steel Pvt. Ltd. CIN: U45209PN2005PTC020270
 Regd. Office: The Metropolitan, 4th Floor, Final Plot No. 27,
 Survey No. 21, Wakdewadi, Shivaji Nagar, Pune - 411005. INDIA.
 Tel: +91 20 6621 8000

Website: www.tatabluescopesteel.com

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