



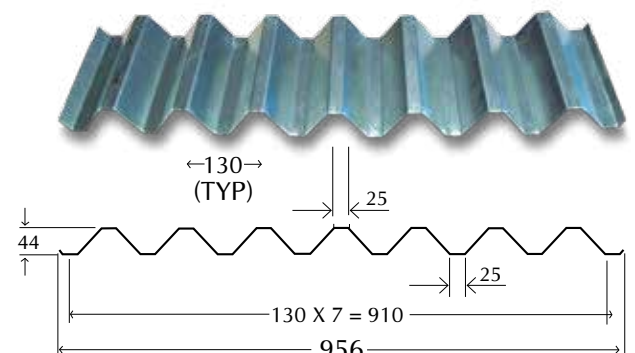
## EZYDEK™ 44

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 form work table

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

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

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

### 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	430	390	280	180	120
2 Span	1150	800	560	480	430	390	260	96
3 Span	1400	950	690	610	520	450	308	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	120
2 Span	1260	900	660	590	510	420	290	110
3 Span	1640	1130	820	720	640	550	350	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	160
2 Span	1650	1150	840	740	630	530	410	150
3 Span	2060	1430	1020	900	760	640	420	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	170
2 Span	1920	1390	990	870	690	660	470	160
3 Span	2450	1700	1200	1000	860	770	490	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	190
2 Span	2450	1670	1200	1050	910	780	540	210
3 Span	3100	2100	1550	1300	1100	920	580	125

For more details please contact technical team of Tata BlueScope Steel Limited

## 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
- Available in multiple material choices



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