

Cut COST!
Cut Construction TIME!

An
Achievement
in Innovation

RIBDECK

STRUCTURAL FLOOR DECKING

STRONGER Loading Capacity

- Manufactured from **HIGH GRADE STRUCTURAL STEEL** rollformed to Rigid Dimensional Tolerances.
- Narrow width permits more rib to provide more strength and mechanical bond to concrete slab.
- Hot-dip galvanized that meets ASTM, JIS, and PNS Quality Standard.

FLEXIBLE in Slab Design

- Design allows bottom bars from other direction to slide easily.
- The only Decking System that allows for **2-WAY** design.

FASTER Installation

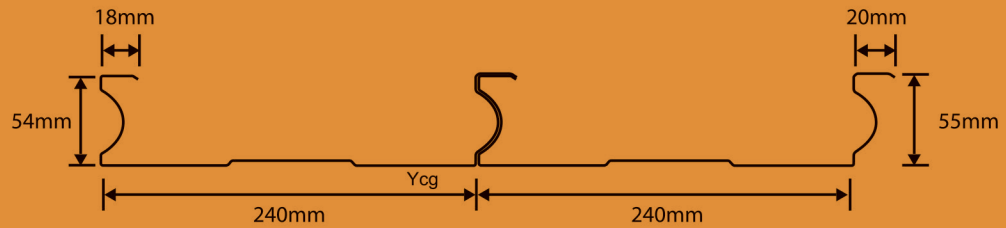
- Narrow width and self-locking ribs provides easy handling and installation.



Eliminate the need for Plywood Panels!

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STRUCTURAL FLOOR DECKING



Material Specification:

Base Metal: ASTM A446 Cold Rolled High-Tensile Grade Steel
Yield Point: 275 - 550 MPa (40 - 80ksi)
Zinc Coating: Z275, JIS-G3302

Section Properties per Panel

t mm	As mm ²	ycg mm	Ix mm ⁴	St mm ³	Sb mm ³
0.80	325.36	40.02	98689	2466	7059
0.90	366.03	40.07	111036	2771	7971
1.00	406.70	40.12	123373	3075	8889
1.20	488.04	40.22	148048	3681	10744
1.40	569.38	40.32	172723	4284	12626
1.60	650.72	40.42	197398	4884	14536

Composite Section Properties

t mm	Slab thickness in mm	nAs mm ²	x mm	I mm ⁴	St mm ³	Sb mm ³
0.8	100		35.92	11465892	319187	178937
	125	3090.92	42.13	20651234	490231	249187
	150		47.70	32792988	687528	320547
0.9	100		37.51	12421820	331148	198785
	125	3477.29	44.06	22456828	509639	277465
	150		49.95	35759851	715854	357434
1.0	100		38.96	13323944	341948	218299
	125	3863.65	45.84	24170769	527237	305357
	150		52.03	38588484	741624	393890
1.2	100		41.55	14990036	360807	256441
	125	4636.38	49.02	27360862	558138	360114
	150		55.76	43884470	787070	465651
1.4	100		43.79	16501613	376867	293552
	125	5409.11	51.80	30281824	584616	413674
	150		59.03	48768035	826210	536067
1.6	100		45.76	17885671	390820	329778
	125	6181.84	54.26	32977669	607738	466201
	150		61.94	53303278	860539	605318



STRONGER SLAB CAPACITY

MAXIMUM ALLOWABLE SUPERIMPOSED LOAD, KPa

t mm	slab thickness in mm	SPAN IN meters								
		1.5	1.8	2	2.3	2.5	2.8	3	3.5	4
0.8	100	51.5	34.5	27.2	19.6	16	11.9	9.9	6.2	3.8
	125	80.3	54.3	43.1	31.5	25.9	19.7	16.6	11	7.3
	150	113.6	77.3	61.6	45.3	37.6	28.9	24.5	16.6	11.5
0.9	100	53.5	35.9	28.4	20.5	16.7	12.5	10.4	6.6	4.1
	125	83.6	54.7	45	32.9	27.1	20.7	17.4	11.6	7.8
	150	121	82.5	65.8	48.5	40.2	31	26.3	18	12.5
1.0	100	55.4	37.3	29.4	21.3	17.4	13	10.8	6.9	4.3
	125	86.7	58.8	46.7	34.2	28.2	21.6	18.2	12.1	8.2
	150	123	83.8	66.9	49.3	40.9	31.6	26.8	18.3	12.8
1.2	100	57.1	38.4	30.4	22	18	13.5	11.2	7.2	4.6
	125	89.5	60.7	48.3	35.4	29.2	22.4	18.9	12.6	8.6
	150	127	86.6	69.1	51	42.4	32.7	27.8	19	13.4
1.4	100	58.7	39.5	31.3	22.6	18.5	14	11.6	7.5	4.8
	125	92	62.5	49.7	36.5	30.1	23.1	19.5	13.1	8.9
	150	130.8	89.2	71.3	52.6	43.7	33.8	28.8	19.7	13.9



LESSER SCAFFOLDING REQUIREMENT

excelroof

Up to 25 YEARS Warranty

Warrantisadong Tatagal!

EXCEL COIL COATING CORPORATION Sales Offices:

Manila & South Luzon Sales: 6th Floor, Goodland Building, 377 Senator Gil Puyat Ave. Ext., Makati City Tel.No.: 524-5555

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