

# Cut Cost and Construction Time!

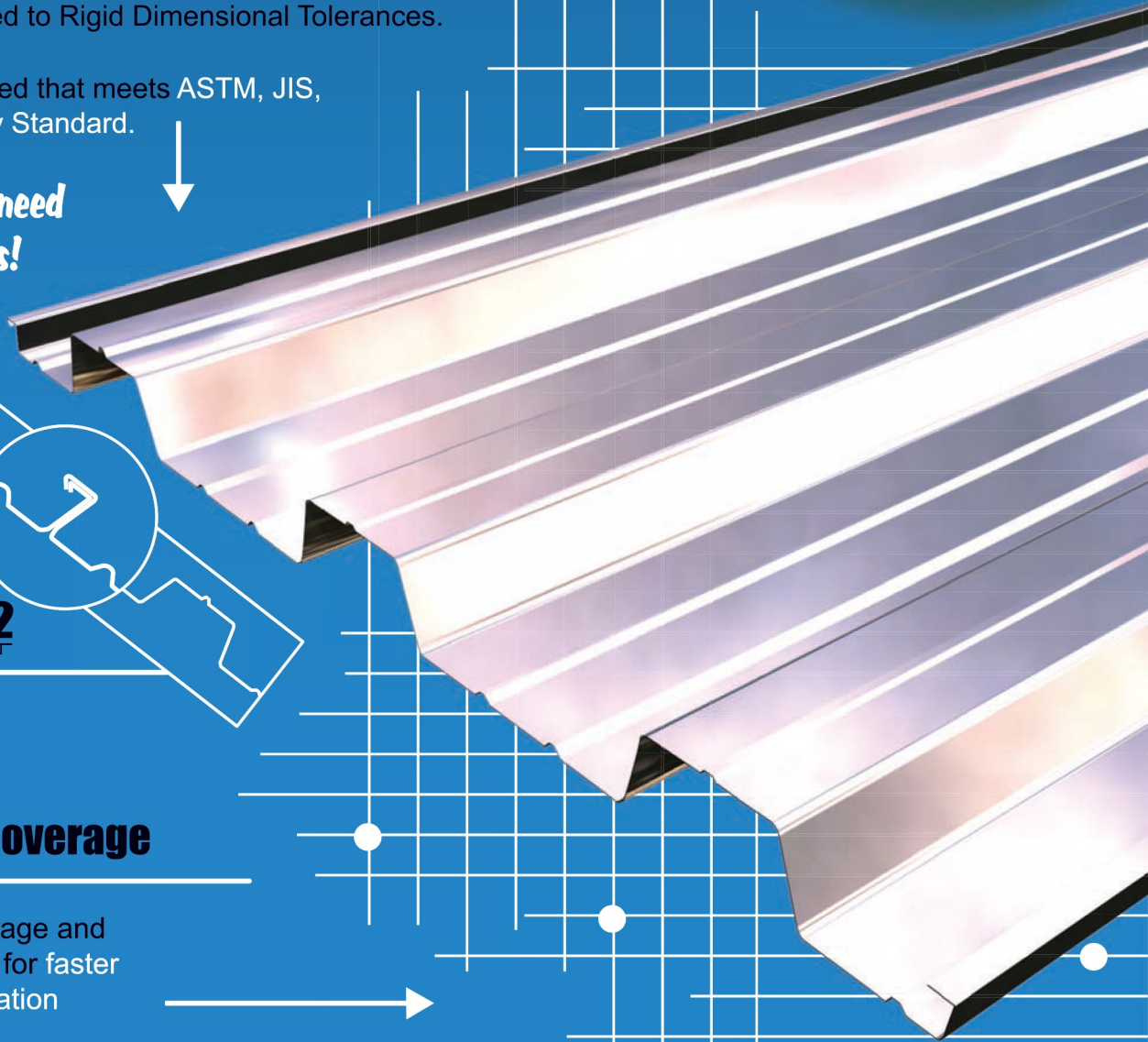
# RIBDECK<sup>2</sup>

STRUCTURAL FLOOR DECKING

## STRONGER Loading Capacity

- Manufactured from **HIGH GRADE STRUCTURAL STEEL** rollformed to Rigid Dimensional Tolerances.
- Hot-dip galvanized that meets ASTM, JIS, and PNS Quality Standard.
- ★ *Eliminate the need for tek screws!*

An Achievement in Innovation



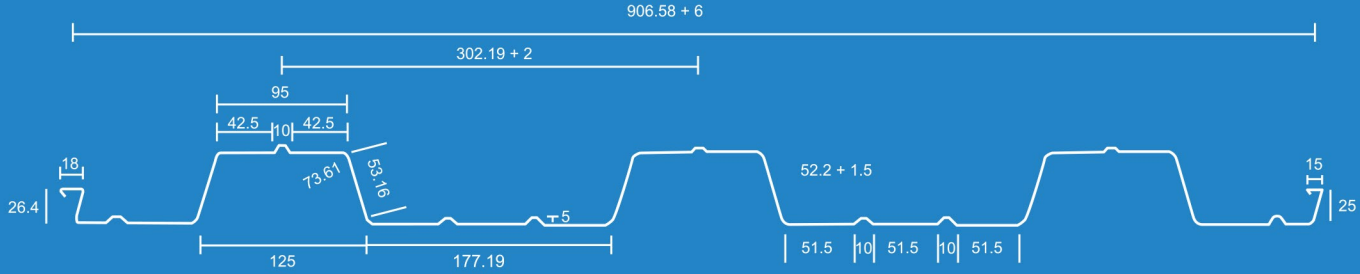
RIBDECK<sup>2</sup>  
STRUCTURAL FLOOR DECKING

self-locking ribs

## WIDER Coverage

- Maximum coverage and self-locking ribs for faster and easy installation

**Eliminate the need for Plywood Panels!**



# RIBDECK2

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 <sup>2</sup>	ycg mm	Ix mm <sup>4</sup>	St mm <sup>3</sup>	Sb mm <sup>3</sup>
0.8	949.37	31.18	460457	14768	22223
0.9	1068.04	31.22	517640	16580	24910
1.0	1186.71	31.28	576029	18415	27667
1.2	1424.05	31.38	690848	22016	33023
1.4	1661.39	31.42	801160	25498	38006
1.6	1898.74	31.56	919909	29148	43515

## Composite Section Properties

t mm	Slab thickness in mm	nAs mm <sup>2</sup>	x mm	I mm <sup>4</sup>	St mm <sup>3</sup>	Sb mm <sup>3</sup>
0.8	100	9019	31.2	30720862	984744	446503
	125		36.9	57098428	1549256	647781
	150		41.9	92344405	2203918	854251
0.9	100	10146	32.6	33375124	1023203	495314
	125		38.6	62265584	1613112	720664
	150		43.9	100997755	2298291	952043
1.0	100	11274	33.9	35911890	1058488	543523
	125		40.2	67221632	1671742	792806
	150		45.8	109282585	2385049	1048977
1.2	100	13528	36.3	40612551	1120087	637143
	125		43.1	76484873	1774823	933817
	150		49.2	124902575	2538369	1239185
1.4	100	15783	38.3	44834993	1171409	726360
	125		45.6	84825735	1861961	1069741
	150		52.2	139276146	2669235	1423776
1.6	100	18038	40.1	48856001	1218585	815522
	125		47.9	92953221	1941293	1205339
	150		54.9	152956368	2787884	1607777

## 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	43.2	28.9	22.8	16.4	13.3	9.9	8.2	5.1	3
	125	69.6	47	37.3	27.2	22.4	17	14.3	9.4	6.2
	150	100.4	68.3	54.4	40	33.2	25.5	21.6	14.6	10.1
0.9	100	45	31.1	23.7	17.1	13.9	10.4	8.6	5.4	3.3
	125	72.6	49.1	39	28.5	23.5	17.9	15	10	6.7
	150	104.8	71.3	58.9	41.9	34.7	26.7	22.7	15.4	10.7
1.0	100	46.6	31.3	24.7	17.8	14.5	10.9	9	5.7	3.5
	125	75.3	51	40.5	29.6	24.5	18.7	15.7	10.5	7
	150	108.9	74.2	59.2	43.6	36.2	27.9	23.7	16.1	11.3
1.2	100	48	32.2	25.4	18.4	15	11.2	9.3	5.9	3.7
	125	44.4	52.5	41.7	30.5	25.2	19.3	16.2	10.8	7.3
	150	112.5	76.7	61.2	45.1	37.5	28.9	24.6	16.8	11.7
1.4	100	49.4	33.2	26.2	19	15.5	11.6	9.7	6.2	3.8
	125	79.9	54.2	43.1	31.6	26.1	20	16.9	11.3	7.7
	150	115.9	79	63.1	46.6	38.7	29.9	25.4	17.4	12.2



**Up to 25 YEARS**  
Warranty

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Warrantisadong Tatagal!