



# *TRACDEK*<sup>®</sup> BOLD - RIB

## WORLD CLASS DECKING SOLUTIONS

## INTRODUCTION

Interarch Building Products Pvt Ltd, an **ISO 9001:2015** accredited company, is one of the oldest, and a leading turnkey Pre-Engineered Steel Construction Solutions provider in India. Interarch has integrated facilities for in-house engineering, manufacturing, logistics and project management capabilities for pre-engineered steel buildings, heavy steel structures & light gauge building systems.

Interarch boasts of a manufacturing capacity of **1,20,000 MTPA** spread over 3 state-of-the-art manufacturing facilities at Pantnagar & Kichha in Uttarakhand & Sriperumbudur in Tamil Nadu.

Interarch offers the assurance of being a reputed home-grown Indian company, with an excellent track record, strong financial background, and a nationwide network of sales offices, and builders, assuring local professional support.



## *TRACDEK*<sup>®</sup> BOLD - RIB

**TRACDEK<sup>®</sup> BOLD - RIB** deck sheet is a cold formed decking panel, which also acts as a permanent shuttering. It is an innovative high strength zinc-coated steel decking system, designed for use in the construction of composite floor slabs.

The decking provides the widest coverage per ton of steel, and minimizes the requirement for reinforcement. It has excellent spanning capabilities, that ensure greater strength and lower deflection. It brings economy and design freedom, as it is precision engineered and provides ease of use, as well as safety.

The decking has a rib depth of 52 mm, and provides an effective covering width of 978 mm. The embossing, on top of the flange as well as on vertical ribs, provide an excellent adhesion & anchorage between the deck panel and the concrete slab. The stiffened ribs and side laps also increase the buckling strength.

**TRACDEK<sup>®</sup> BOLD - RIB** is a complete structural deck for concrete and steel framed construction, and has excellent composite performance.



# APPLICATIONS OF *TRACDEK*<sup>®</sup> BOLD - RIB

The long spans achievable with composite construction make this decking a perfect choice for a wide range of buildings, where layout flexibility, and large open spaces are required like, **Multi-storey buildings, Mezzanines, Shopping Malls, Bridges, Industrial Buildings, Process Plants, Airports, Warehouses, Hospitals, Hotels, Refurbishment & Residential Projects.**

## ADVANTAGES

- Acts as a Permanent Shuttering
- Allows Faster Construction
- Provides Safe Working Platform
- High Load Capacity
- Allows Long Spans
- Enhanced Durability
- Facilitates Service Integration
- Overall Robust Performance

## QUALITY GUARANTEED

**TRACDEK<sup>®</sup> BOLD - RIB** is synonymous with quality and performance. As with all other Interarch products, it complies with Indian and major International design codes. The automated production ensures the process is tightly controlled, and product output and production processes are continuously monitored via Quality Assurance System.



## TECHNICAL SPECIFICATIONS

**TRACDEK<sup>®</sup> BOLD-RIB** is available in 52mm depth profiles with thickness range of 0.80 mm to 1 mm.

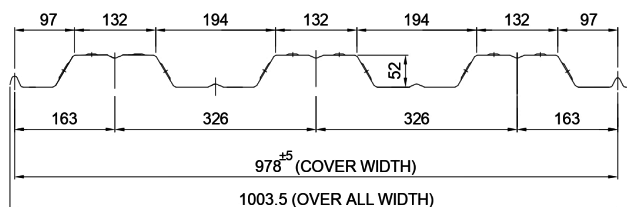
**Profiles:** 52/326 (52mm depth \* 978mm covering width)

**Thickness:** 0.80mm to 1mm

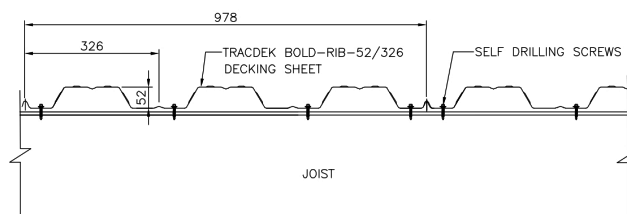
**Length:** upto 12000mm

**Material:** Galvanized Steel (as per ASTM A653/ IS: 277) with 250 MPa/345 MPa yield strength

**Type:** Galvanized (Z275- Minimum 275g/m<sup>2</sup> total of zinc coating on both sides)



**TRACDEK<sup>®</sup> BOLD - RIB - 52/326**



**FIXING PROCEDURE FOR DECKING SHEET**

TRACDEK® BOLD - RIB						
Cross Section Properties						
Sr. No.	Thickness mm	Unit Weight kg/m <sup>2</sup>	Area mm <sup>2</sup>	Moment of Inertia I <sub>xx</sub> mm <sup>4</sup> /m	Section Modulus Z <sub>xx(t)</sub> mm <sup>3</sup> /m	Section Modulus Z <sub>xx(b)</sub> mm <sup>3</sup> /m
1	0.80	7.83	976	497919	18513	19250
2	0.90	8.81	1098	560105	20786	21613
3	1.00	9.79	1220	622280	23051	23965

For Two Span - Continuous	Allowable Load Carrying Capacity in kN/m <sup>2</sup> (250 MPa YS)								
	Sr. No.	Thickness mm	Span in Meters						
			1.00	1.25	1.50	1.75	2.00	2.25	
	1	0.8	13.80	9.00	6.40	4.80	3.50	2.80	2.30
	2	0.9	16.40	11.00	7.60	5.80	4.50	3.50	2.80
	3	1.0	20.00	13.40	9.00	6.80	5.20	4.00	3.30
	Allowable Load Carrying Capacity in kN/m <sup>2</sup> (345 MPa YS)								
	Sr. No.	Thickness mm	Span in Meters						
			1.00	1.25	1.50	1.75	2.00	2.25	
	1	0.8	17.40	11.60	8.20	60.00	4.60	3.60	2.80
For Three Span and More - Continuous	2	0.9	21.10	14.00	9.60	7.20	5.60	4.40	3.60
	3	1.0	25.00	16.60	11.60	8.60	6.60	5.20	4.20
	Allowable Load Carrying Capacity in kN/m <sup>2</sup> (250 MPa YS)								
	Sr. No.	Thickness mm	Span in Meters						
			1.00	1.25	1.50	1.75	2.00	2.25	
	1	0.8	17.60	11.40	8.00	5.90	4.60	3.60	2.90
	2	0.9	20.00	13.80	9.20	7.00	5.60	4.40	3.40
	3	1.0	24.00	16.30	11.00	8.40	6.60	5.00	4.00
	Allowable Load Carrying Capacity in kN/m <sup>2</sup> (345 MPa YS)								
	Sr. No.	Thickness mm	Span in Meters						
			1.00	1.25	1.5	1.75	2.00	2.25	
	1	0.8	21.60	14.40	10.00	7.40	5.60	4.40	3.50
	2	0.9	25.90	17.40	12.00	8.80	6.80	5.30	4.20 *
	3	1.0	30.20	20.60	14.40	10.60	8.20	6.40	4.80 *

1. THE ALLOWABLE DEFLECTION CONSIDERED AS SPAN/240.
2. \*CAPACITIES ARE GOVERNED BY DEFLECTION CRITERIA.



# PROJECTS COMPLETED USING *TRACDEK*<sup>®</sup> BOLD - RIB



Fortis Hospital, Bangalore



Chemo India Formulation Pvt Ltd, Hyderabad



Hindustan Unilever Ltd, Sumerpur



Grasim Industries Ltd, Panipat



Lenskart India Pvt Ltd, Bhiwadi



Ashirwad Pipes Pvt Ltd, Bangalore



**INTERARCH BUILDING PRODUCTS PVT.LTD.**  
AN ISO 9001:2015 COMPANY

**Central Marketing Office**

B-30, Sector 57, Noida – 201301, INDIA

Tel: 0120-4170200, Fax : 0120-2581017

Email: [info@interarchbuildings.com](mailto:info@interarchbuildings.com) | [www.interarchbuildings.com](http://www.interarchbuildings.com)

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