We are into manufacturing of Hy Rib (A registered trademark of TechCoral Solutions) sheet used as sacrificial stopper as replacement of conventional shuttering elements. The product offers a number of edges over the conventional methods of pour in the foundation rafts. Hy rib is manufactured from hot dipped galvanized steel sheets. Because of its meshes and V-Patterns, it has better anti stress capability and forming flexibility than normal metal sheet.

Introduction to Hy Rib Sheet :

- Manufactured from Hot-Dipped Galvanized Steel Sheets
- Used in Various construction purposes
- Most important Application in Construction Joints
- Joints Using Hy Rib Sheet are 25% more stronger than the ones with conventional methods
- Reduces Time taken in Construction

Features and Components :

The **Edge Rib** is Designed to nest tightly with the Edge Rib of an adjacent Hy Rib Sheet. This Forms a tight Sheet to Sheet Connection Throughout its length and maximizes the rigidity of the sheet joint in temporary works condition.

Hy Rib's Tangs are Designed to become embedded in the first phase concrete pour, anchoring the sheet, preventing any risk of sheet de-bonding from the concrete.

The **Intermediate Ribs** in Hy Rib provide inherent Stiffness in the Length of the sheet so that it can span between the supports. It also provides the Key to the concrete.

Open Mesh allows bleed water to escape thus providing a dense, impenetrable concrete zone at the surface and immediate behind the Hy Rib.

It is much effective to reduce the concrete pressure on the formwork face compared to an impervious material such as plywood. Researches have proved that joints using Hy Rib are 25% more Stronger than scrabbled ones. Moreover Hy Rib prove to be much beneficial when time comes out as an important asset on construction site now Days.

Principle Benefits :

- Hy-Rib reduces significantly the pore water pressure in the design concrete pressure normally associated with conventional stop end materials of timber, plywood or steel.

- Hy-Rib is left in place and forms an ideal surface for subsequent concrete. This means that scabbling of the face is not necessary.

- Minimises joint preparation so that reinforcement fixing continues uninterrupted. The only striking required might be the timber cover strips, and any timber supports used as backing.

- Can either be placed before or after the reinforcement is fixed. If before, the reinforcement is then installed through holes pierced in the mesh; if afterwards, it is readily cut to accommodate the position of the bars.

- Allow the progress of the pour to be visually monitored, thus reducing the risk of voids and honeycombing.

- To obtain maximum economic advantage, Hy-rib is best supported by existing or extra reinforcement bars. This allows the whole fabrication to be left in place, eliminating most striking operations for the joint- particularly useful in congested areas of reinforcement.

- In the unlikely event of a large concrete pour being interrupted or delayed, such as by bad weather or interruption of concrete supply, Hy-Rib is the IDEAL material as a standby to form any shape of contingency stop end. Its benefit being that construction can quickly be resumed, without striking the temporary stop end. As a contingency, clients can specify Hy-Rib be made available on site prior to commencing large pours, in the knowledge that un-planned stop ends can quickly be constructed.

- Hy-Rib with the concrete creates an idea bonding surface for the subsequent pours.

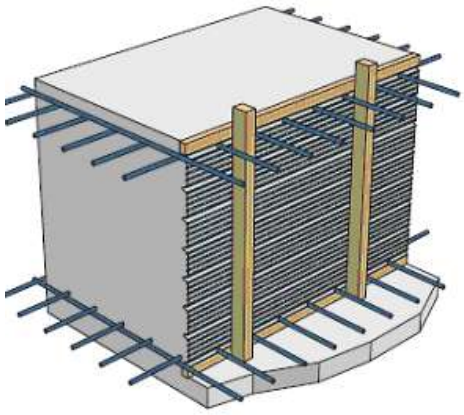
Grades Of Material :

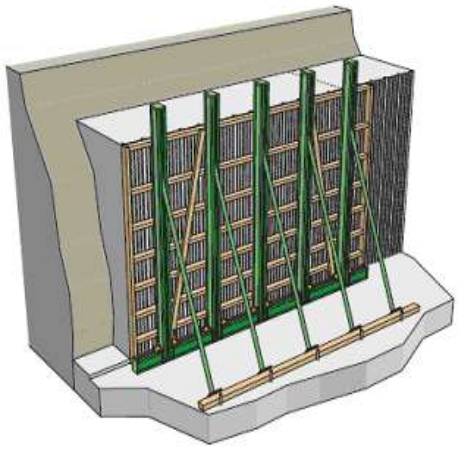
Sr. No.	Property	UOM	Grade 2211	Grade 2411	Grade 2611	Grade 2811
1	Sheet Width	mm	435/220	435/220	435/220	435/220
2	Sheet Thickness	mm	0.8	0.6	0.5	0.4
3	Sheet Length	mm	1200/ 2500/ 3000	1200/ 2500/ 3000	1200/ 2500/ 3000	1200/ 2500/ 3000

Other than the Available Grades, Hy Rib is also manufactured as per specified requirements.

Applications :

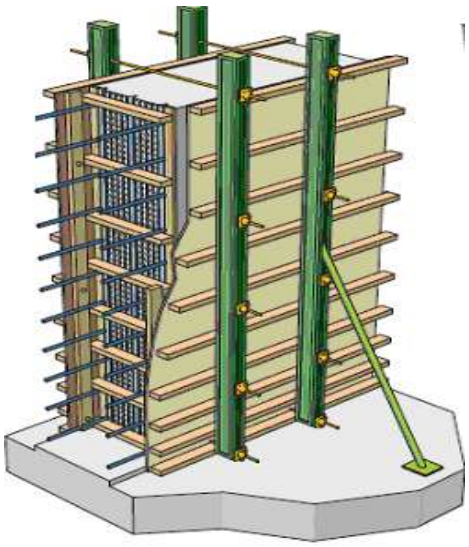
Slab Stop Ends

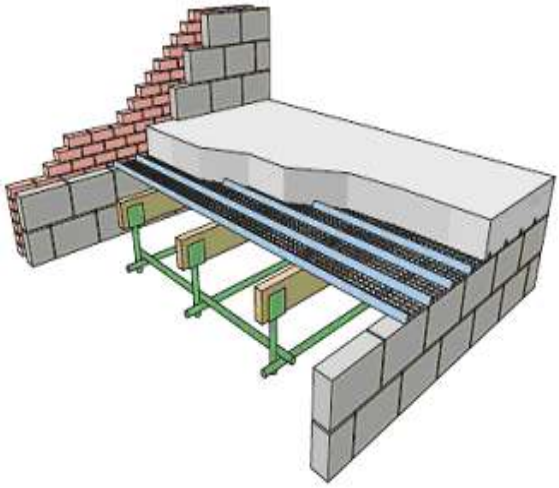




Single sided and Double faced Formworks

Wall Stop End Construction Joints





Permanent Slab Soffits

Hy Rib has its application in:

- Tunnel Bridges
- Valve Basements
- Sewage systems
- Subways
- Retaining Walls
- Nuclear/Hydro/Thermal Power projects
- Shipyards, Water pools and Marine Engineering Works
- High Rise Building Projects
- Rafts

Clientile :

- Delhi International Airport Ltd., Delhi, India. Project by: L&T ECC Ltd.
- Riverview Apartments, Lucknow, India. Project by: L&T ECC Ltd.
- Malls & Hotels Complex, Chandigarh, India. Project by: L&T ECC Ltd.
- Godrej Eternia, Chandigarh, India. Project by: L&T ECC Ltd.
- India Towers,Mumbai , India. Project by: L&T ECC Ltd.
- Kohinoor CTNL, Mumbai, India. Project by: L&T ECC Ltd.
- Ahuja Towers, Mumbai, India. Project by: L&T ECC Ltd.
- L & T HQ, Chennai, India. Project by: L&T ECC Ltd.
- MIOT Hospitals Project, Chennai, India. Project by: L&T ECC Ltd.
- Hotel Taj, Dwarka, India. Project , India. Project by: L&T ECC Ltd.by: L&T ECC Ltd.
- DMRC Baggage Tunnel, Delhi, India. Project by: L&T ECC Ltd.
- North Eye Supertech, Noida, India. Project by: B.E. Billimora & Co..
- Bhakti Park Phase II, Mumbai, India. Project by: Ajmera Group.
- DlF Cammalias, Gurgaon, India. Project by: Leighton India Ltd.
- Supernova Supertech, Noida, India. Project by: ACC India (P) Ltd.
- ACC, Kolkata, India. Project by: ACC India (P) Ltd.
- Thermal Power Plant, Nagpur, India. Project by: Lanco.
- Altair Project, Colombo, Sri Lanka. Project By : Shapoorji Pallonji Lanka Pvt. Ltd.
- LNG Tank Project, Dahej, Gujrat, India. Project by: Afcons Infrastructures Ltd.
- LNG Terminal South Basin, Mundra, Gujrat, India. Project by: ITD Cementation India Ltd.
- SP Sierra Joint Venture, Colombo, Srilanka. Project By: SP Sierra JV Pvt. Ltd.
- LNG Tank Project, Ennore, Chennai. Project By: Punj Lloyd Ltd.
- Raheja's Revanta, Gurgaon. Project By: Arabtec Const. Pvt. Ltd.
- IT Park, Chennai. Project By: Estancia Ltd.
- And Many More…..