



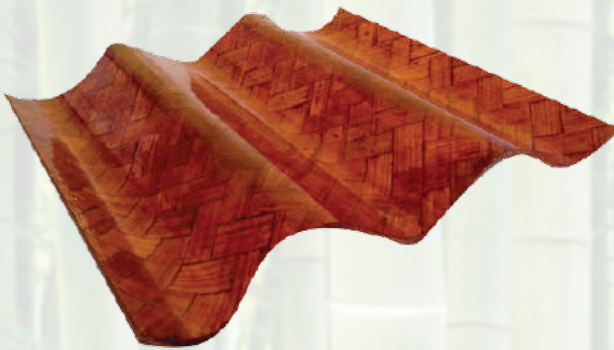
TIMPACK PRIVATE LTD.

(BAMBOO BASED INDUSTRY)

Bamboo Mat Based Products the "Green Gold"
towards Nation Building

Come join the growing trend towards a **GREEN ECONOMY**

WITH THE USE OF ROOFING / RIDGES FOR ROOFING MADE FROM
THE **WONDER GRASS "BAMBOO"**



Bamboo Mat Corrugated Sheets
(conforms to IS: 15476-2004)

CPWD – DSR 2016 / 2018 / 2021 Item Code No.: 26.6A



Bamboo Mat Ridge Cap
(conforms to IS: 15476-2004)

CPWD – DSR 2016 / 2018 / 2021 Item Code No.: 26.6B

21 + years in Manufacturing

500 + projects completed

4 years harvesting time of bamboo

1000 + daily indirect employment in the
rural / tribal villages

Approved Technology with Brandname
under Building Systems / Products



Ministry of Housing & Urban Affairs,
Govt. of India



Global Awardee of



World Bamboo

Patented Technology of
Govt. of India



www.timpackgreengold.com

About Us:

We are one of the leading Bamboo Based Industry in India registered as a micro enterprises under MSME, Govt. of India with UDYAM registration no: ML-06-0000023, manufacturing for more than approx. 21 years, these Bamboo Mat Based Products at Byrnihat, Meghalaya with Central Govt. Patented technology transfer from Institute of Wood Science and Technology (Erstwhile Indian Plywood Industries Research & Training Institute), Ministry of Environment, Forest and Climate Change, Govt. of India & Building Material Technology & Promotion Council (BMTPC), Ministry of Housing & Urban Affairs, Govt. of India and with support from Meghalaya Govt., and various other departments & in addition, we would be glad to let you know that our company had received the GLOBAL AWARD in September, 2010 from the World Bamboo Organization (USA) for our efforts in the field of bamboo and bamboo development.

Broad Product Benefits / Advantages:



Green, Eco-Friendly, Sustainable, Renewable, Energy Efficient.



Low Thermal Conductivity (15% temperature reduction)



High Load Bearing Capacity, High tensile strength, No cracking issues due to impact of falling objects.



Good Sound Insulation



Surface rust proof



100% Boiling Water Proof



Termite Resistance, Fungus proof & Borer Free.



Fire Retardant



Light-weight construction materials, quick to install, versatile, very sturdy & resilient.



Non-sharp materials, and thus no harm caused to human lives.



Products are detachable and can be dismantled and re-installed at different locations of the same design, size and dimensions.

Product Sizes & Thickness:

Product	Sizes	Thickness
Bamboo Mat Corrugated Sheets	2.44m x 1.05m (8' x 3.5') / 2.14m x 1.05m (7' x 3.5') / 1.83m x 1.05m (6' x 3.5')	3.5-4.0mm
Bamboo Mat Ridge Cap (Male & Female Ridge Cap)	0.43m x 1.05m (1.5' x 3.5')	3.5-4.0mm

Typical Technical Data (Bamboo Mat Corrugated Sheets):

S.No.	Tests	Prescribed Value (IS: 15476-2004)	Results
1	Water absorption, %	Max. 15	8.25
2	Density, gm/cc	Min. 0.75	0.92
3	Impermeability	The lower surface shall not show any formation of drops except for traces of moisture	Conforms
4	Resistance to falling weight	The test piece shall not break or show any crack or tear	Conforms
5	Load bearing capacity, N/mm		
	a) Dry state	Min. 4.0	5.65
	b) Wet state	Min. 3.0	4.55
6	Cyclic test	No delamination	No delamination
7	Resistance to fire		
	a) Surface spread of flame, mm ²	Max. 4500	3740
	b) Flame penetration, min.	Min. 10	12
	c) Rate of burning, min.	Min. 20	22

Typical Technical Data (Bamboo Mat Ridge Cap):

S.No.	Tests	Prescribed Value (IS: 15476-2004)	Results
1	Water absorption, %	Max. 15	8.50
2	Cyclic test	No delamination	No delamination

Technical Comparison with Different Roofing Sheets

S.No.	Characteristics	Bamboo Mat Corrugated Sheets (3.5-4.0mm)	Pre-Coated GI Sheets (0.50mm)	Aluminum Corrugated Sheets (0.91mm)
1	Thermal Conductivity	Very Low (Approx. 15% temperature reduction)	Very High	Very High
2	Weather Affects	surface rust proof	Sheets get rusted	Sheets get rusted
3	Sound Insulation	Good	Poor	Poor
4	Impact of Falling objects	No Impact	Sheets get dented	Sheets get dented
5	Load Bearing Capacity	5.65 N/mm	4.84 N/mm	1.67 N/mm
6	Eco-Friendly / Sustainable / Renewable	Yes	No	No
7	Energy Consumption per ton	22784 MJ (High energy efficient)	89408 MJ (Low energy efficient)	32541 MJ (Low energy efficient)
8	Fire Rating	Retardant	Retardant	Retardant
9	Social impact	Creates huge indirect employment in the rural / tribal villages for the woven bamboo mat weavers / bamboo strip makers	Very Limited	Very Limited

EXTERIOR SIDE (TOPSIDE) – COLOUR COATED OPTIONS AVAILABLE:



GREEN



ORANGE



SKY BLUE



SILVER



RED



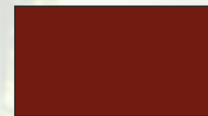
WHITE



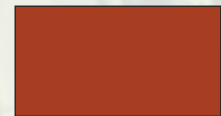
TERRACOTA



MAROON



LEAF BROWN



SPL. GOLDEN BROWN

Note:

- (1) Actual Product Colours may vary from above illustrative Colours shown.
- (2) Other Colours as per customers choice available subject to product quantity required.

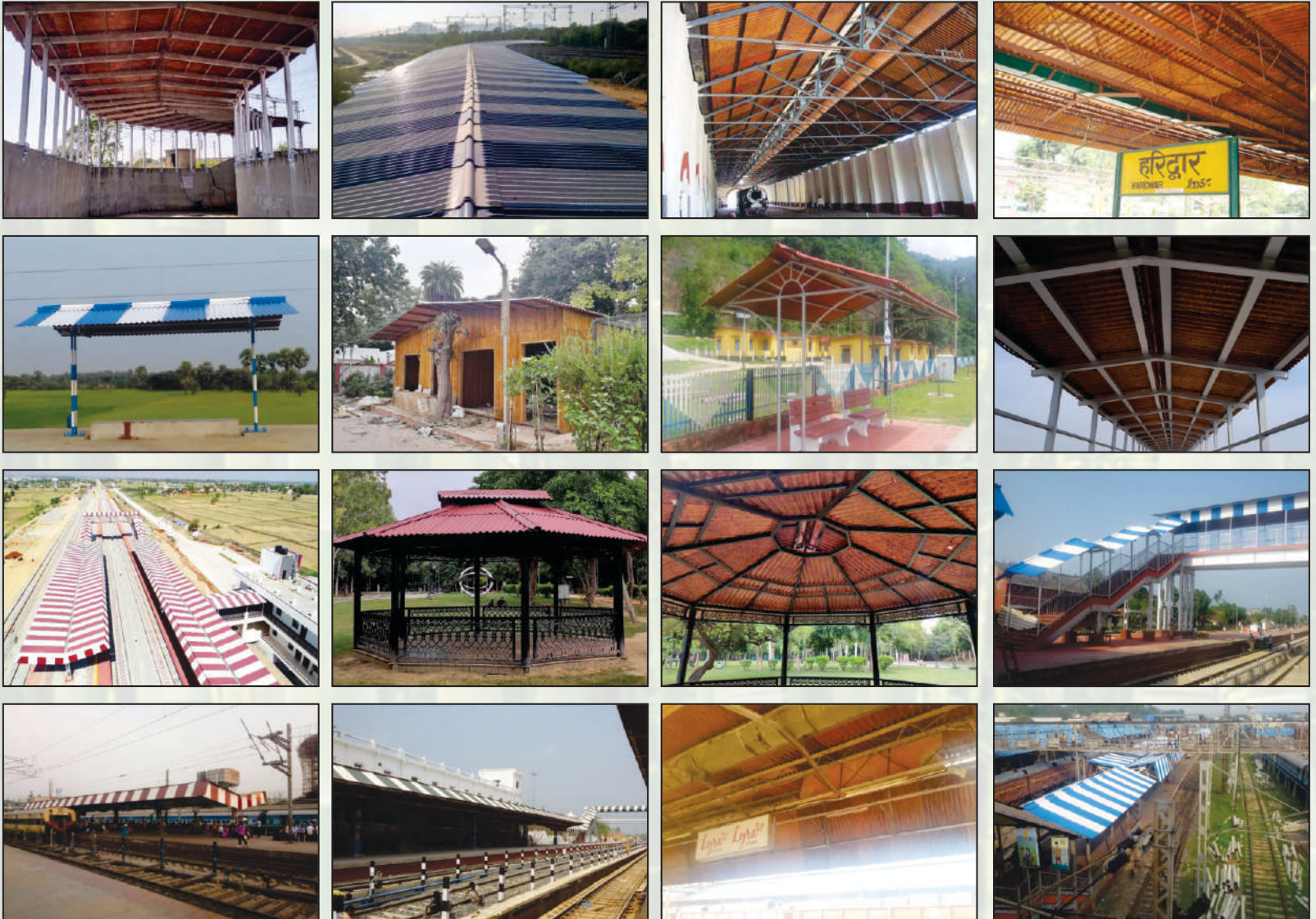
Government Product Approvals available:

- ◆ RDSO, Ministry of Railways, Govt. of India & Various Zonal Railways.
- ◆ Products incorporated in CPWD – DSR 2016 / 2018 / 2021.
- ◆ Ministry of Housing and Urban Affairs, Govt. of India.
- ◆ Ministry of Development of North Eastern Region, Govt. of India.
- ◆ Ministry of Environment, Forest & Climate Change, Govt. of India.
- ◆ Assam Rifles, Ministry of Home Affairs, Govt. of India.

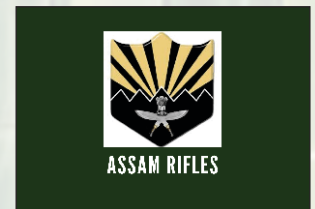
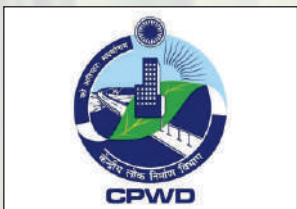
**** Instruction manual for installation available on request.**

Project Site Photographs:

**Sectors – Railways / Metro Railways / Airports / Tourism / Universities /
Pre-fabricated Structure & Housing**



Clients:



M/s Timpack Private Ltd.

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