



DynaRoof

SOLID • STYLE

STUNNING AT THE TOP

**THE NO.1 COLOR
ROOFING OF
NORTH EAST INDIA**

COLOURFUL RANGE | THERMAL & CORROSION RESISTANT | LOW MAINTENANCE

LOAD CARRYING CAPACITY

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Stunning At The Top

DynaRoof, the revolutionary new age color coated roofing sheet, is the flagship company of the Assam based SM Group. A pioneer and leader in the segment of metal roofing in the North East, DynaRoof is almost a generic name for the category in the area of its operation. It has over the years built a reputation for its unparalleled quality and outstanding customer support both in the residential and commercial metal roofing segment.

DynaRoof has been at the forefront of the technology revolution in roofing and cladding space. With a total production capacity of 30000 MT, the company has state-of-the-art manufacturing facilities in Assam and Meghalaya and has recently commissioned its third factory in Siliguri to exclusively cater to the growing demand in North Bengal.

DynaRoof is the only company that offers all facilities under one roof - right from designing, manufacturing to fixing and servicing. Simply put we are a one stop shop. What's more! We have a highly specialised team of experts - The Roof Squad - who take care of all your installation worries, making DynaRoof the preferred choice.

Why DynaRoof is the No.1 Choice?



Range of Products

Our products range from pre-painted galvalume sheets, bare Galvalume sheets and Steel Tiles profile sheets.



Anti Corrosive Coatings

RMP/SMP coating makes it 2-3 times more corrosion resistant than ordinary galvanized sheets.



Extreme Endurance

DynaRoof can withstand chipping, cracking, peeling and doesn't fade easily or lose luster.



Easy on Environment

DynaRoof is 100% recyclable and doesn't harm the planet.



Aesthetic Appeal

Variety of shades and overall finish due to RMP/SMP coatings keep it looking beautiful for ages.



All under One Roof

Apart from roofing materials, DynaRoof provides on-site measurement, fitting, fixing and after sales service. It also has a full fledged team of highly skilled technicians called - The Roof Squad



Thermal Resistant

It reflects great amount of heat and light and can withstand extreme weather without discoloration.



Our Presence

Head Quartered in Guwahati with three state of the art manufacturing facilities in Assam, Meghalaya and West Bengal



Low Maintenance

Its anti corrosive and thermal resistant properties make it low maintenance. Just by cleaning debris accumulated on it annually, the roof stays in top condition.

Fishery College, Nagaon





The DynaRoof Advantage

Conventional bare metal roofs offer no resistance to corrosion and hence require regular maintenance like cleaning and periodic painting. In spite of proper care and maintenance re-roofing is required every 4-5 years.

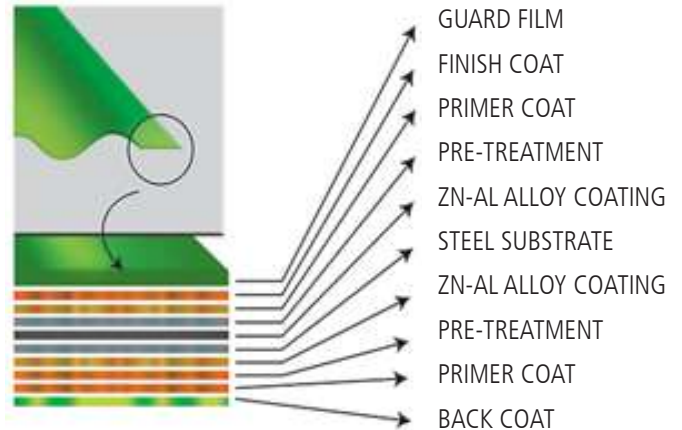
DynaRoof Galvalume sheets offer a unique combination of advantages, the strength of steel, innovative designs, excellent corrosion resistance and durability.

DynaRoof color coated profile sheets have become the material of choice for residential and commercial roofing. Architects, structural specialists and project engineers are using it in a new and bold ways.

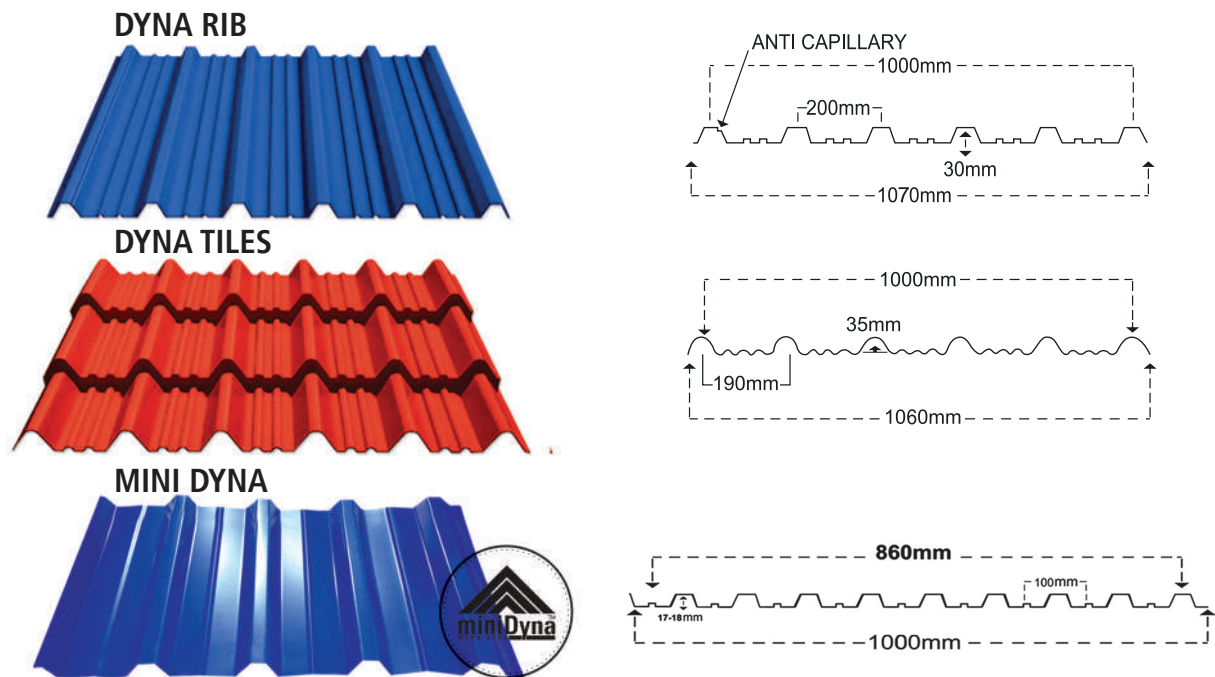
Product Detailing

Product Specification: Pre-Painted galvalume sheet Dyna Roof PPGL Sheet

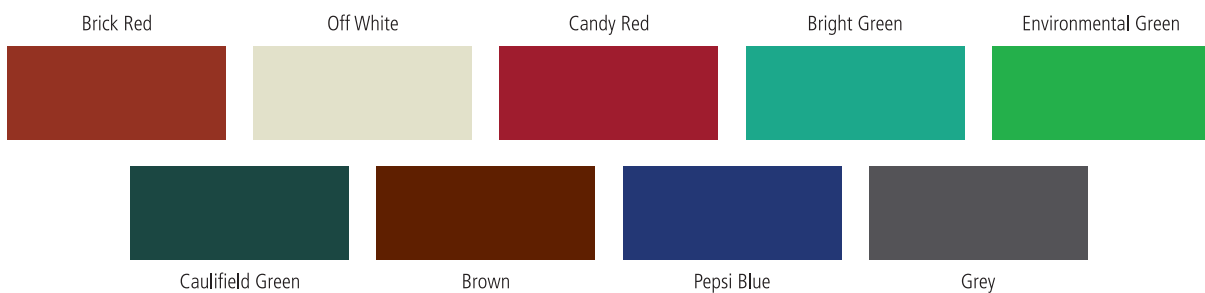
Substrate Material : Aluminium and zinc alloy coating with steel base. (55% Al, 43.5% Zn and 1.5% Silicon)
 Alloy Coating : AZ 150, AZ 100 and AZ 70
 Thickness : 0.35 mm-0.80 mm
 Yield Strength : Minimum 240 mpa to 550 mpa
 Standards : As per ASTM A792/A792M & AS1397
 Paint System : RMP/SMP
 Characteristics : Top Coat: 18-25 micron
 Primer Top Coat: 5-7 micron
 Back Coat: 6-8 micron
 Primer Back Coat: 3-4 micron



Profile Technical Specifications

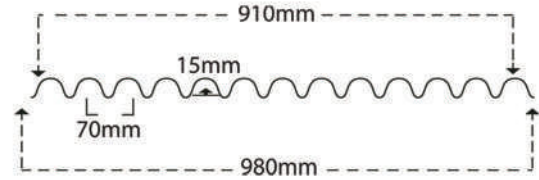


Profiles available in all colours:



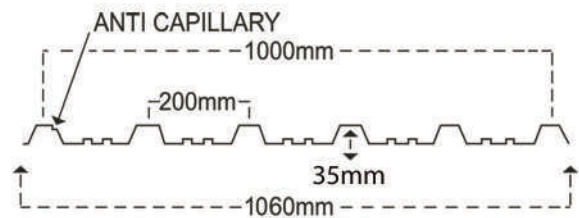
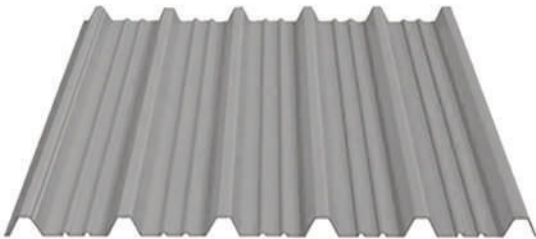
Product Range and Tech Specs

DynaLume



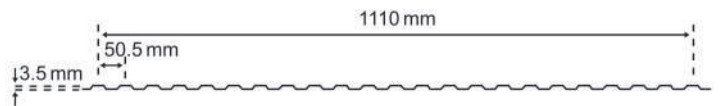
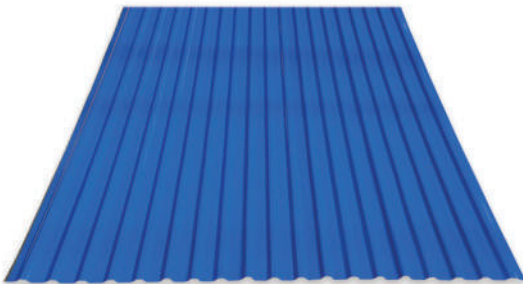
Thickness: .14mm to .50mm

DynaSILVER



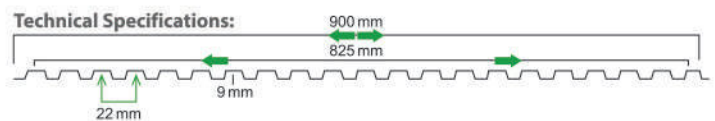
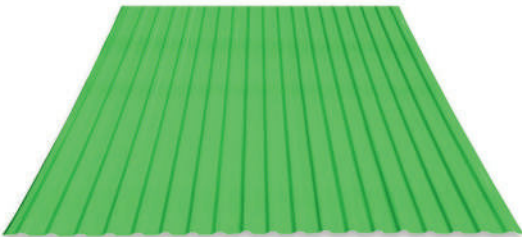
Thickness: .35mm to .50mm

Dyna-X Liner



Thickness: .20mm to .60mm

Dyna-Cherry



Thickness: .20mm to .40mm

Load carrying capacity of DynaRoof profile sheets

Thickness in mm -->>	0.4		0.5		0.6		0.8	
Purlin Spacing in M	Allowable Super imposed load in Kg/m ²		Allowable Super imposed load in Kg/m ²		Allowable Super imposed load in Kg/m ²		Allowable Super imposed load in Kg/m ²	
	240 Mpa	550 Mpa	240 Mpa	550 Mpa	240 Mpa	550 Mpa	240 Mpa	550 Mpa
1.2	193.85	384.32	265.05	521.35	341.99	671.35	506.53	1003.6
1.4	141.4	281.34	193.46	381.76	249.73	491.72	370.11	735.3
1.6	107.37	214.51	147.00	291.17	189.86	375.12	281.57	561.17
1.7	94.67	189.58	129.66	257.37	167.52	331.63	248.54	496.22
1.8	84.03	168.68	115.14	229.05	148.8	295.19	220.87	441.79
2.0	67.33	135.91	92.35	184.62	119.44	238.01	177.45	356.39

Installation Guidelines

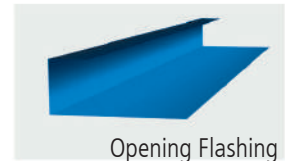
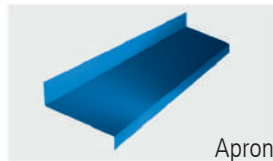
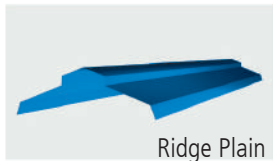
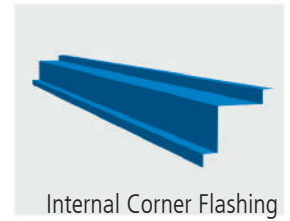
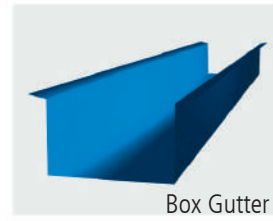
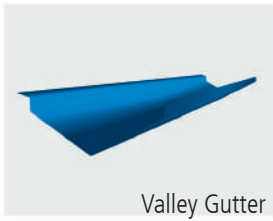
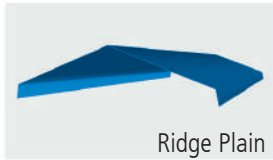
Purlin Distance Required for Dyna Rib Profile Sheets	
Thickness	Purlin Gap
0.35 & 0.40 mm	900 mm to 1100 mm
0.45 & 0.50 mm	1100 mm to 1400 mm
0.55 & 0.60 mm	1400 mm to 1650 mm
0.80 mm	1650 mm to 1850 mm

Purlin Distance Required for Dyna Tiles Profile	
Thickness	Purlin Gap
0.40 mm	800 mm
0.50 mm	950 mm

- To get the best performance of your DynaRoof, purlin should first be painted with Red Oxide Primer Coating and then with a double coating of plastic enamel paint.
- Before fitting the DynaRoof sheet, you need to first remove the guard-film.



Accessories



Screw Specifications



High quality accessories like screws, sealants, washers are required for best roofing performance.



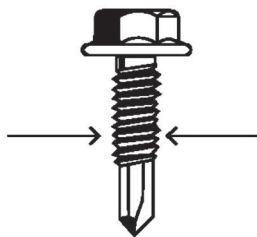
Screw Specifications

Self Drilling and Self Tapping (SD ST) Screw

Application - The size and thickness of screw define its use as given below

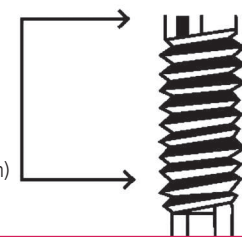
Gauge

The gauge of the screw is determined by the basic size of the thread's outside diameter
 10 gauge 4.8 mm
 12 gauge 5.5 mm
 14 gauge 6.3mm



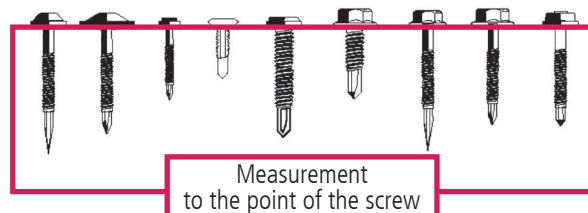
TPI

(Threads per inch)
 The TPI is the number of thread crests that can be counted along a lineal measurement of 1 inch (25.4mm)



Length of Fasteners

The following type of fasteners are measured from the underside of the head to the point of the screw



Screw Specification

- Screw Standard-AS 3566
 The AS 3566 is a standard established by the Standard Association of Australia to specify the requirement for a Self Drilling Screw to be suitable for use in Steel and Timber
- Grade -Class-3 coating which is a unique anti-corrosive coating system consisting of three distinct layers which combine to give exceptional protection
- Base Materials-Carbon Steel Grade-1022
- Material Composition-A mechanically deposited Zinc and Tin alloy and 70% Zinc and 30% Tin with excellent galvanic protection
- Anti-Corrosive Coating Thickness-32 micron
- Anti corrosive test-1000 Hrs Salt Spray Test done by Regional Testing Centre (Govt. of India) New Delhi and Shriram Institute for Industrial Research - New Delhi
- Colour-Silver Grey appearance

Gallery



Dhansiri Resort, Kaziranga



Malki Church at Shillong



Assam Engineering College Hostel



Private House



Kamakhya Gate Foot Over Bridge, Guwahati



Kharkhowa Restaurant, Mangaldoi

Gallery



DC Office Kamrup Metro



Private House, Tezpur



SRD Group, Mangaldoi



Private House, Guwahati



Tezpur Medical College & Hospital



Private House



**INCREDIBLY
STRONG
UNBELIEVABLY
SUPPORT-FREE**

Dyna TBS is a venture of DynaRoof Pvt.Ltd. This is yet another new age innovative solution in the form of self-supporting, trussless roofing technology. This unique concept is ideally suited for large span structures with no intermediary columns. The technologically advanced roofing solution facilitates manufacturing and execution of roofing needs on the site itself, thus accelerating the execution of any project to incredible proportions.

Aesthetically pleasing and structurally robust Dyna TBS is more durable than conventional roofing with higher corrosion resistance. Its unique structure also makes it 100% leak proof.



Karbi Anglong Sports Association, Diphu

Give Your Roof The Dyna TBS Advantage

 UPTO 32 Meters	 Zero Maintenance	 Long Life	 Fastest Roofing Solution	 North East India presence	 No Bird Nuisance
 100% leak proof	 Corrosion Resistant	 On-site Production	 Cost Effective	 Aesthetically Appealing	 Dedicated After Sales Support

Our Projects



KASA, Diphu



Ganesh Akhra Mandir, Gauripur



KASA, Dongkamukam



KASA, Diphu

MATERIAL SPECIFICATION

BASE METAL	PRODUCT / MATERIAL	COATING GRADE	COLOUR COATING	YIELD STRENGTH	THICKNESS	COIL WIDTH	EFFECTIVE WIDTH
High Grade Steel	Pre-painted Alu-zinc steel sheets Az 150.(Galvalume base- An alloy of 55% aluminium and 43.5% zinc and 1.5% Silicon)	Az150	RMP, Polyester, S.M.P., H.D.P. Coatings	ASTM, A782D (Yield strength 350 mpa)	0.80mm-1.30mm	914 mm	610mm

Super Cover For Super Structures

Dyna TBS sheets are single continuous self supported sheet from eaves to eaves, machine curved to precision.

Auditoriums	Indoor Stadiums	Aircraft Hangers	Stadiums Galleries	Parking Sheds	Conventional Halls
Warehouse	Toll Plazas	Swimming Pools	Factories	Showrooms	



DYNA SOLAR
Good for the planet
Great for your pocket

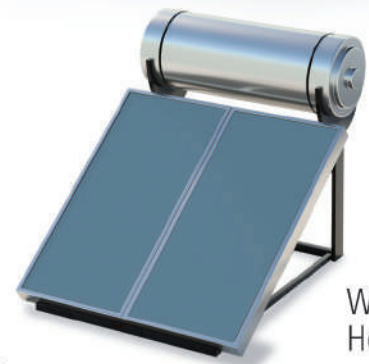
Switch to

DYNA SOLAR

An eco friendly and economically viable energy solution

WHY DYNA SOLAR?

- Reduces electricity cost by up to 80% (ongrid solar panel capacity of an individual will be limit of 80% of the connected load)
- Assist to avail Govt Subsidy
- Expert support for seamless experience, including paperwork & permits
- Easy EMI options and facilitating loan from banks and finance options from our NBFC partners
- 25 years linear power output warranty on solar panels
- Payback within 6 years; 19+ years of free electricity (Assumed Tariff of ₹ 7.35/Unit)



Water Heaters

Benefits

- Get hot water the entire year without using gas or electricity
- Easy to Install and Almost zero maintenance
- There will be no emission of CO₂
- 100% independent compared to Gas & Electric Geyser and save up to 70% on your Electricity Bill

Application: In residential buildings where the demand for hot water has a large impact on energy bills. For commercial applications including car washes, military laundry, kitchen facilities, also be used for space heating.



WE TAKE SAFETY SERIOUSLY

Introducing

DYNA KAVACH

ROLL-UP DOORS FROM DYNAROOF

Your space deserves a safety solution you can rely on. That's why we designed Dyna Kavach—a new range of roll-up doors for new-age applications.

WHY DYNA KAVACH?



NOISELESS OPERATION



EASY OPERATE



HIGH-QUALITY MATERIAL



ZERO MAINTENANCE



VIVID COLOURS

colours



Indigo



Ivory



Oxford Grey



Candy Red



Coffee



Beige

DYNA KAVACH RANGE



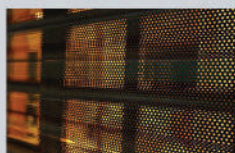
#ROLL-UPS



#VISI ROLL-UPS



#INDUSTRIAL ROLL-UPS



#INDUSTRIAL VISI ROLL-UPS



#POLY ROLL-UPS



#ALUMINIUM ROLL-UPS

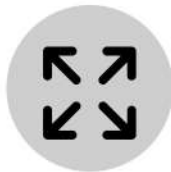


#SS ROLL-UPS



A FRAMEWORK OF STRENGTH DynaDex 51 & 44

Structural decking systems from **DynaRoof**



Excellent spanning
capability



Easy to install



Corrosion resistant
for longer life

What's inside

DynaDex is manufactured from hot dipped zinc-coated high strength steel with minimum 245-550 MPa yield strength and coating mass of 120-275 (g/m²).

- Available thickness: .80 mm – 1.50 mm TCT
- Conforms to AS1397 and BS EN 10147:2000

Advantages

- Excellent Spanning capacities for greater strength and less deflection.
- Embossments provide mechanical interlock ensuring adequate composite action.
- Ease of installation combined with safety.
- Saves on concrete and reinforcement cost
- Greater corrosion resistance provides long life.

DynaDex is perfect for



Multi storey buildings



Malls



Steel buildings



Skywalks



Multi-level parking shed



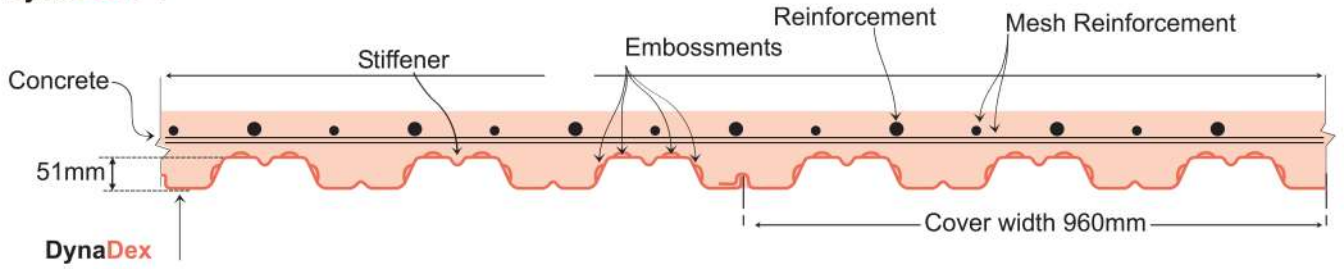
Mezzanines



Flyovers/Bridges

Dyna Dex Technical Specifications

DynaDex 51

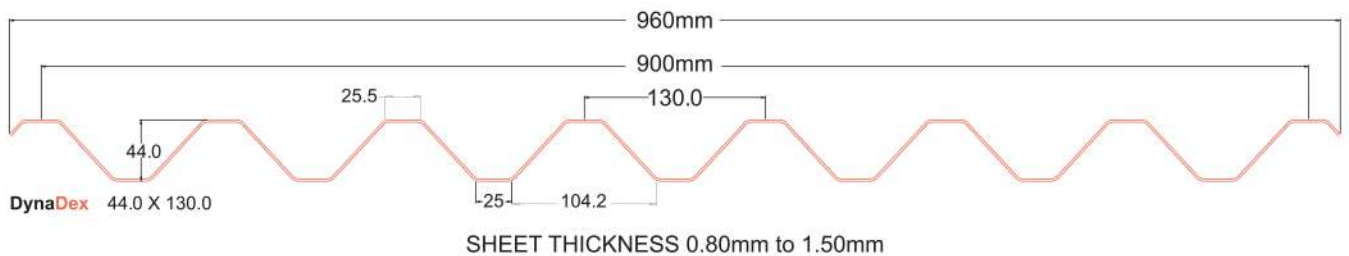


Section Properties						
Panel Thickness mm	Weight kg/m	Area cm ²	Ix cm ⁴	Zx-Top cm ³	Zx-Bottom cm ³	Ma (Kn.m)
0.80	7.67	9.77	45.66	17.56	18.26	5.80
1.00	9.57	12.19	56.96	21.91	22.78	7.23
1.20	11.48	14.62	68.34	26.28	27.34	8.67
1.50	14.34	18.27	85.41	32.85	34.16	10.84

DynaDex ^(R) 51		Allowable Uniform Loads in (KN/m ²)							
Panel Thickness (mm)	Type of Span	Span in Meters							
		1	1.25	1.5	1.75	2	2.25	2.5	3
0.7	Single	30.5	15.5	8.9	5.6	3.7	2.5	1.8	1
	Multi	40.4	25.8	17.9	13.1	9.1	6.3	4.6	2.6
0.8	Single	34.9	17.8	10.2	6.4	4.2	2.9	2.1	1.1
	Multi	46.2	29.5	20.5	15	10.4	7.3	5.3	3
1	Single	43.6	22.2	12.8	8	5.3	3.7	2.5	1.5
	Multi	57.7	36.9	25.6	18.7	13	9.1	6.6	3.8
1.2	Single	52.3	26.7	15.4	9.6	6.4	4.5	3.2	1.8
	Multi	69.2	44.3	30.7	22.5	15.7	10.9	7.9	4.5
1.5	Single	65.4	33.4	19.3	12.1	8	5.6	4	2.3
	Multi	86.6	55.4	38.4	28.2	19.6	13.7	10	5.7

Note: D+L = Dead + Live Load (Deflection Limitation: Span/180). Material Conforming to Fy = 55.5 Kn/cm²

DynaDex 44





SOME THINGS ARE BEST LEFT TO **EXPERTS!**

If you're looking to install or maintain roofs and roll up doors all you need to do is to call our **Roof Squad**.

Our highly trained technicians will guide and educate you with the best solutions and products.

360° Service - From inspection, measurement, supply of material, to installation.



Projects completed in time



Quality accessories



Hi-Safety Standards



One year warranty*



T&C apply



The superior quality, competitive pricing and wide range of colours account for DynaRoof being a formidable brand in its category.

M/s Aavoran, Guwahati



We used DynaRoof roofing sheets for the Imphal Airport project. We are impressed by the product quality, its durability and aesthetic appeal

Laishram Rishikant Singh, Government Registered Contractor



Our experience was extremely satisfactory. The DynaRoof team is very professional and their product quality is excellent. We wish them success in all their future endeavours.

Ch. Ashok Meetel MD Meetel Construction Pvt. Ltd



We changed the roof of our home after 27 years. We did a check in the marketplace and DynaRoof received excellent reviews. We decided to go with them. They executed the job to our utmost satisfaction. Thank you Dyna Roof for making my house look beautiful again.

Mrs. Barnali Sarma, Geetanagar, Zoo Rd. Guwahati



We totally rely on and have complete trust in the Roof Squad team. They always complete projects in the stipulated time. Their commitment and coordination is commendable.

K R Nath, N K Power & Infrastructure Pvt. Ltd



I was looking for a reliable party for replacement of CGI sheets in an old house of ours. It was sheer coincidence that Roof Squad- the technical services team of DynaRoof contacted me. We placed an order for Hi Rib Eaves End profile 0.45 mm TCT along with its installation. They did a tremendous job I consider Dyna Roof a Revolution in Roof Management.

Er. Jojneswar Gogoi, Rukminigaon. Guwahati



For the first time we installed Dyna TBS Trussless roofing in our factory at Rani Tea Setate, Gwahati. The requirement was of 1803 sq mtr and I was impressed by its features - 100% leakproof, quick installation, aesthetic appeal and cost effectiveness. We congratulate Dyna TBS for introducing this new roofing technology.

Director MKB (Asia) Pvt. Ltd.



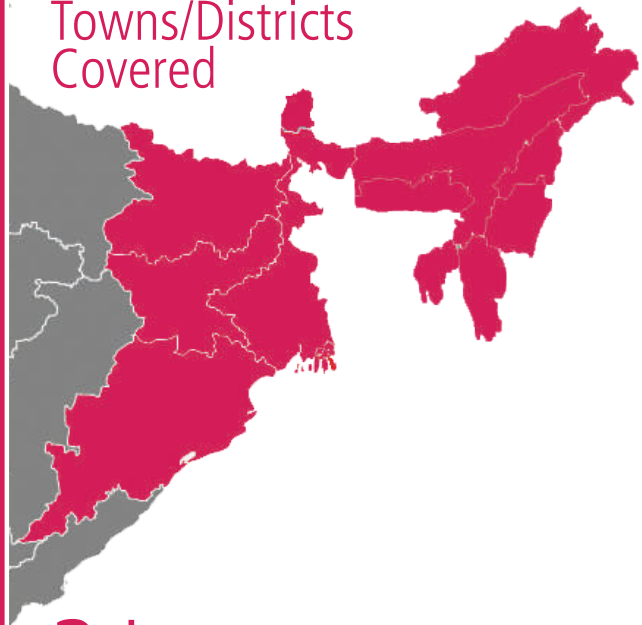
5 Lac+
Roofs Covered



500+
Dealers & Distributors



400+
Towns/Districts
Covered



2 Lac+
R&D Squad Services



DYNAROOF PVT. LTD.
OUR MANUFACTURING FACILITIES
ASSAM | MEGHALAYA

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