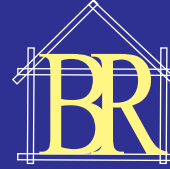




BALAJI ROOFING



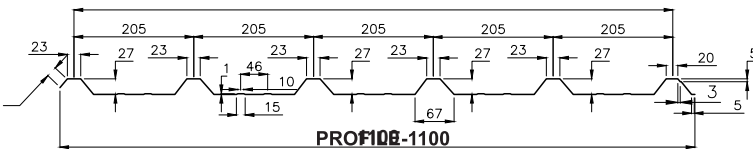
Excellence to Innovative



Profile Sheet

BALAJI ROOFING is one of the best roofing company in the world with many roll forming stations, offers entire range of products of metal Pre Coated Roofing sheet and complete range of product in steel

BALAJI ROOFING offers colour coated steel roofing and cladding according to the requirements, specialised on providing world class roofing & cladding steel structures for variety of applications, involves in giving economical and eco-friendly products with light weight, high strength structures with stand worst weather condition.



TECHNICAL SPECIFICATION

Covered Width	1020 mm
Supply Width	1100 mm
Pitch	205+250
Crest Height	28+2
Crest Width	28 mm
Lip	10 mm

DESCRIPTION OF SHEETING PROFILE

Roof and wall pannel 1100 cover width, 28mm crest depth at 255 mm c/c (2 angular ribs at centre of each crest), The sheets will be available in 240, 340, 550 Mpa yield strength with different thickness on request.

SPECIFICATIONS

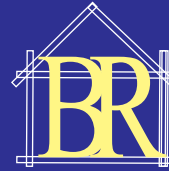
Sr. No.	Material	Yield Strength	Total Coated Thickness
1.	Color Coated Galvanized Iron (CCGI / PPGI)	240/340/550 Mpa	0.47 - 0.50 mm
2.	Bare Galvalume	550 Mpa	0.47 - 0.50 mm
3.	Color Coated Galvalume	550 Mpa	0.47 - 0.50 mm

TECHNICAL SPECIFICATIONS :

ALL-ZN ALLOY STEEL	
COMBINATION COATING	55% Al 43.4% Zn and 1.6% Silicon
MATERIAL	As 1397 1993
COATING MASS BASE METAL	Bare Galvalume ASTM A 792 m
TENSILE STRENGTH	High Tensile Steel 550 Mpa
ZINC COATING	Az150 gsm
TYPE OF COATING	RMP / SMP
TOTAL COATED THICKNESS	0.47mm - 0.50mm
TOLERANCE	As per AS/NZS 1397

TECHNICAL SPECIFICATIONS :

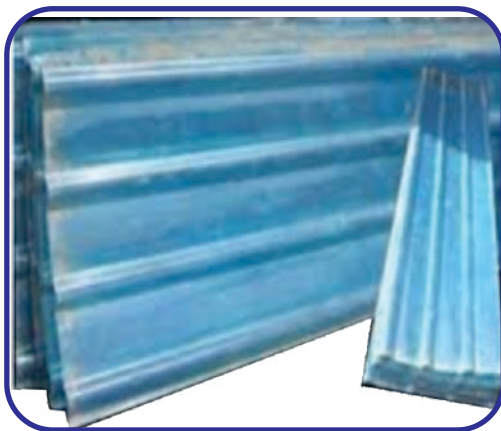
ALL-ZN ALLOY STEEL	
SUBSTRATE	IS: 513 Cold Rolled Steel Colls
TENSILE STRENGTH	240 Mpa
GALVANIZING	IS:27
ZINC COATING	Az120 gsm
PRE-PAINTING	is: 1446
TYPE OF COATING	RMP / SMP
TOTAL COATED THICKNESS	0.47 mm - 0.50mm
TOLERANCE	As per AS: 513



POLYCARBONATE SHEET & DOM



FRP TRANSFERENT SHEET



TURBO AIR VENTILATION FAN





BALAJI54 - STEEL DECKING SYSTEMS

BALAJI54 is an innovative steel decking profile, Which is an ultimate lightweight system for all multirise building. **BALAJI54** acts as a form for the concrete and is designed so that no or minimum propping is required.

BALAJI54 is designed for the use with structural concrete and is manufactured with mechanical embossments in the webs to create mechanical and chemical bond between the steel deck and the concrete. The composite action allows the deck to serve as the tensile reinforcement for positive bending in the slab, which is significantly reduces or eliminates the need for rebars in the slab and lower material and labor costs. The strength and durability of the steel provides a solid platform for construction top of open web joists, structural steel, light gauge framing masonry walls.

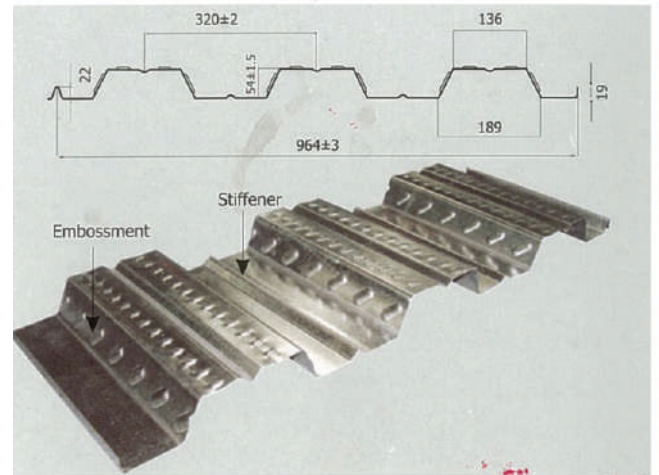


Fig - 01

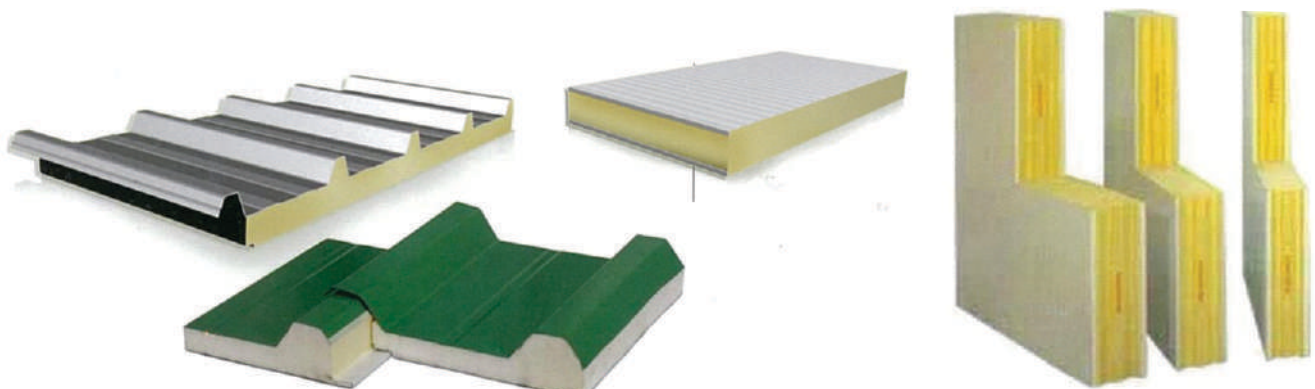
PUF PANELS INSULATED PANEL

We manufacture PUF sandwich panel for wall false ceiling and roof panel at Vadodara based factory

The raw material used for manufacturing PUF panel is CFC free and fire retarded grade, PUF Sandwich panels are available with pre coated GI sheets, SS sheets or as directed.

● Technical Specification

- Density : 40±Kg/cu
- Compressive Strength at 10% deformation : 2.1 Kg/Sq.cm
- Tensile Strength : 4.0 Kg/sq.cm
- Bending Strength : 4.2 Kg/sq.cm
- Adhesion Strength (Foam to steel) : 3.0 Kg/sq.cm
- Dimensional Stability (48 hours) : 0/1% - 25° C:0 1% 38° C 90% RH : 0.4 %
- Closed cell Content : 90-95 %
- Temperature Range : 18° to 140° C
- Temperature Conductivity At 0° C : 0.018k Cal/hr.m°C (design value 0.020 k Cal/m° C or 0.023 w/mk)
- Water Absorption : 0.2% volume at 100% RH





LOUVERS

Louvers are designed to keep the industries with adequate ventilation. The Fixed Louvers are designed to make installation fast & convenient & are available in Customized lengths according to needs.

ADVANTAGES :

- Increase Ventilation
- Less Weight
- Easy to install
- Easy maintenance
- Long Life



STANDING SEAM ROOF

Balaji Standing seam system is offered in straight profile having a width ranging from 300 mm to 500 mm. The standard offering is of 400 mm wide profile.

With a seam height of 65 mm, the **Balaji** profile is designed for roof pitches upwards of 1.5°. The high seam ensures excellent water drainage capability and also load bearing capability. The profile can be employed in all climatic zones and for all building types.

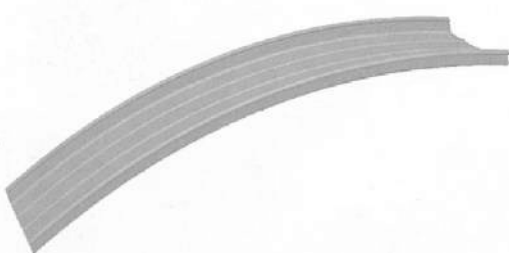
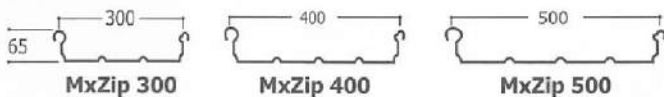
The number and position of the mini ribs in the valley of the profile are designed to make the profile stronger and also act as a unique aesthetic feature. This **Balaji** profile is available in customized lengths and widths in straight as well as tapered profile. The **Balaji** profile can be smooth curved to convex and concave shape to achieve the building contour.

Balaji Tapered - Flexibility in Shapes :

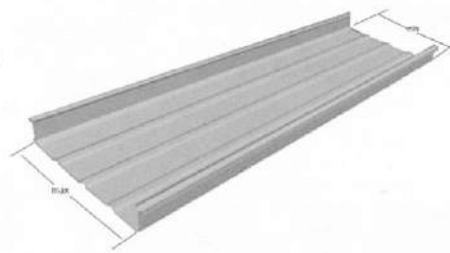
Tapered **Balaji** profile sheets have become increasingly significant for roofing applications as they can be formed into a diverse range of shapes. A roof can offer more than just protection: it also offers a building to achieve architectural perfection. In order to achieve the perfect structure and outlook of a roof, it is necessary to take into account several fundamental considerations. The covered widths into account several 270mm to 500mm. (Refer technical manual for more details)

Balaji Tapered Profile Details

Profile Types Available	Balaji 65
Minimum Width	270 mm
Maximum Width	500 mm
Minimum Length	1500 mm
Maximum Length	Any Length As Per Site
Thickness For Aluminium	0.8 to 1.2 mm
Thickness For Steel	0.5 to 0.8 mm



MxZip
Smooth Curved Profile



MxZip
Tapered Profile



MxZip
Complex Curved Profile



"C" & "Z" PURLIN

Balaji are structural members designed and produced using the advanced technology, quality and customer oriented services for use as secondary supports for economical roof sheeting and wall cladding systems in any type of building with following added advantage :-

1. Continuous splay or splicing for better structural strength.
2. 45° Lip for better sectional modulus and easy nesting.
3. Supplied in required length with pre-punched holes for quick bolting.
4. The system gives an excellent strength to weight ratio with flexibility for specific size requirement
5. More than 40 % saving in steel and more than 30% saving in overall consumption cost

Technical & Material Specification

Thickness : 1.5 mm to 3 mm

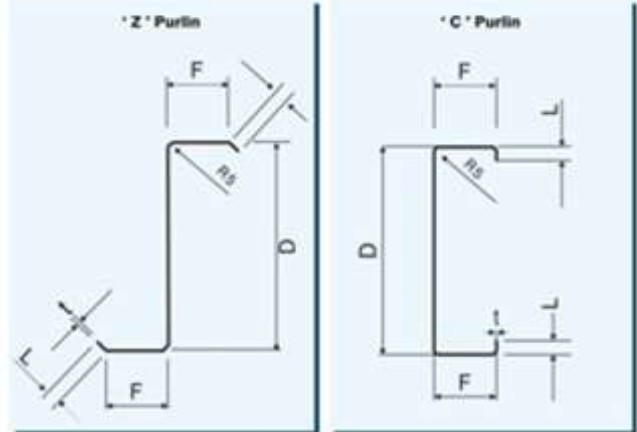
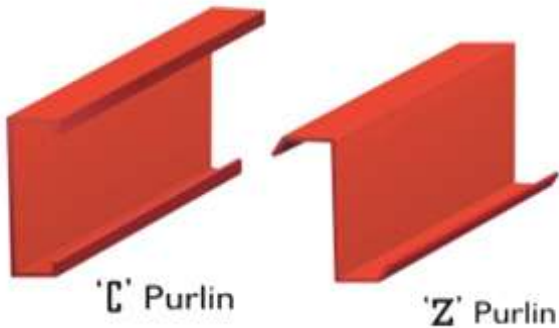
Length : Upto 12000 mm

Material : CR Steel as per IS:513/ HR Steel as per IS:1079

Yield Strength : 245 MPa to 345 MPa

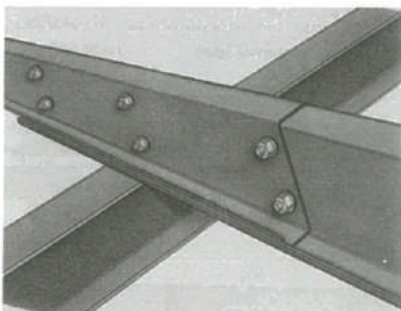
Type : Bare, Primer Coated, Galvanized, Painted

"C"&"Z" Purlins made of hot rolled coils are degreased phosphate and then primer finished with Zinc Chromate Red-Oxide Paint matching test requirement of IS:4777 and IS : 2074 Special Treatment to combat severe atmospheric corrosion can be offered. We also offer purlins in galvanized coated steel in 120 GSM/175 GSM/275 GSM coating as per customer requirement.

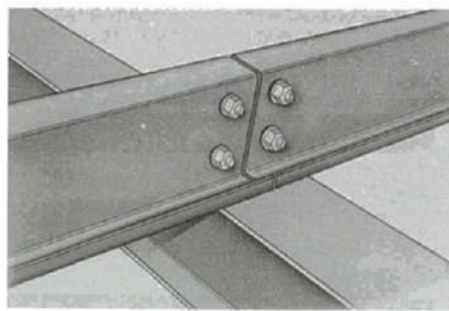


SYSTEM OF CONNECTIONS

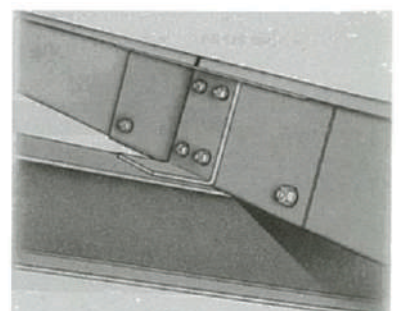
There are four systems of connection based on design of purlin and its connections :



Overlapping



Butt Connection

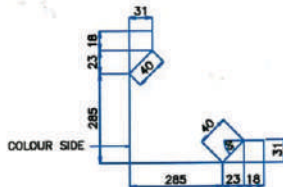


Sleeve Connection

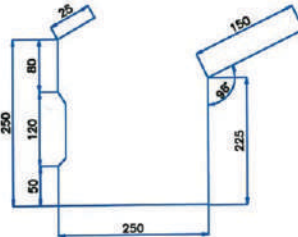


BUILDING ACCESORIES & JOINERIES

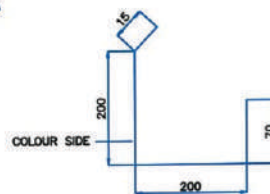
CORNER FLASHING



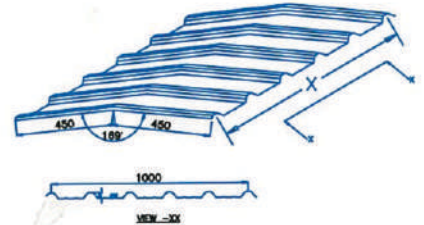
EAVE GUTTER



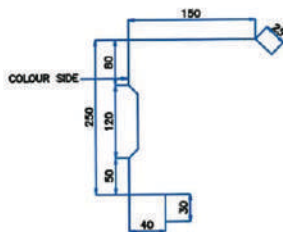
JAMP -CAP FLASHING



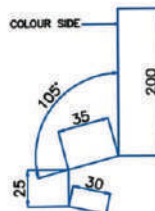
PROFILE RIDGE



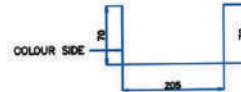
GABLE FLASHING



DRIP FLASHING



HEADER -CAP FLASHING



PLAIN RIDGE



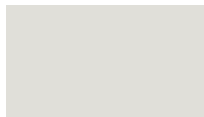
PRODUCT RANGE

- ◆ Hex Washer Head
- ◆ CSK Head
- ◆ Button Head
- ◆ Drywall
- ◆ Frame Fixing Screw
- ◆ Hex Washer Flange
- ◆ Pan Head
- ◆ Chipboard
- ◆ Concrete Screw
- ◆ NonAsbestos Screw





Light Blue



Off White



Environment Green



Brick Red



Bare Galvalume



Caulfield Green



Terra Cotta



Torres Blue



Mist Green



BALAJI ROOFING

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