



We Don't Supply Buildings
We Deliver Projects



TRACDEK[®] **METAL ROOFING
AND CLADDING SYSTEMS**

Introduction

Interarch Building Solutions Limited commenced operations in 1983, and pioneered the high-end metal interior products market in India. Today, 40 years later, Interarch is proud to be the leading Turnkey Pre-Engineered Steel Construction Solution provider in India with integrated facilities for Design, Manufacture, Logistics, Supply and Project Execution capabilities for pre-engineered steel buildings.



INTERARCH



About the Products

Since 1993, Interarch Building Solutions Limited has pioneered the colour coated metal roofing and cladding systems in India.

Interarch is today one of the leading manufacturers and providers of pre-engineered metal roofing and cladding systems, which are used in some of the largest projects in India.

Years of engineering in India has helped Interarch to develop the technical know-how and knowledge base to provide the best roofing and cladding expertise in the country.

Interarch roofing systems can be used as a single skin roof or wall cladding or can be used in combination with advanced multi-layer insulated systems to give optimal thermal and acoustic characteristics. They can also be combined with other cladding systems on the inside to form a sandwich panel system.

From Industrial and Infrastructure projects to commercial developments, malls, offices and homes, Interarch offers several systems for structural and architectural roofing and cladding applications.

**TRACDEK**[®]



Tracdek[®] Hi Rib[®] Roofing and Cladding System

Product Profiles and Specifications

PROFILE

TRACDEK® Roofing and Cladding profiles are available in both ribbed and flat panels to give a variety of finishes for attractive roofing and cladding of domestic, commercial and industrial applications.

Long Life

TRACDEK® is manufactured in high quality Galvalume Steel, Aluminium with optional high performance organic coatings for long life, even in coastal areas.

High Strength

TRACDEK® profiles provide excellent spanning ability and remarkable recovery after excessive load.

Economical

The long spanning ability and more coverage per unit mass permits wide support spacings, enabling supporting structure economies.

MATERIALS

TRACDEK® profiles are available in the following standard finishes :

- Organic coated pre-painted Galvalume high tensile steel with super durable polyester coating or Polyvinylidene fluoride (PVDF) coating
- Organic coated pre-painted galvanized steel with polyester coating
- Organic coated pre-painted aluminium.
- Bare Galvalume and galvanized finishes

TRACDEK® GALVALUME®

TRACDEK® profiles are available in Galvalume®. A significant advance in protective coating for sheet steel roofing and cladding. TRACDEK® Galvalume® is a zinc aluminium coated steel offering high corrosion resistance with a clear resin coating.

The alloy coating comprises of 55% Aluminium, 43% Zinc and 1.5% Silicon. This coating combines the superior barrier protection of aluminium and the sacrificial cut edge protection of zinc.

TRACDEK® Galvalume® is available in coating class AZ150 (150 gsm/m² both side inclusive coating mass) and offers 2-4 times the service life of traditional galvanized steel in similar coating thickness under severe environment conditions.

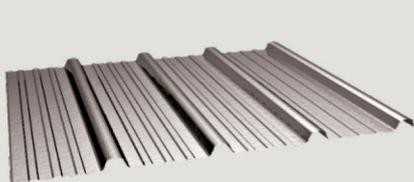
TRACDEK® Galvalume® profiles are supplied with an optional organic colour coating in super durable polyester or Polyvinylidene fluoride (PVDF).

These Galvalume profiles exhibit excellent life to first maintenance in excess of 20 years. Galvalume® is a registered trade mark of BIEC international, U.S.A.

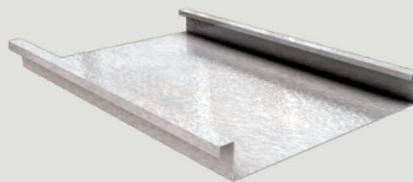
SPECIFICATIONS

TRACDEK® is available in the following base materials in standard execution.

- Galvalume® high tensile cold rolled steel as per AS 1397 / IS:15961, coating class AZ150 (min. 150 gsm/m² zinc-aluminium alloy coating mass, total of both sides), 550 MPa / 300 MPa yield strength
- Galvanized cold rolled steel as per IS:277 and IS:513 (avg. 180 gsm/m² zinc coating mass total of both sides), 240 MPa yield strength
- Aluminium Alloy
- Colour coating - oven baked paint system applied to substrates :
- Super durable polyester or Polyvinylidene fluoride (PVDF) 20 microns top coat over primer (finished side), neutral back coat over primer (back side), over Galvalume® steel
- Polyester top coat 20 microns over primer (finished side), back coat (backside) over galvanized steel
- Tolerance : Length : ± 10 mm
- Packing : in strapped bundles (one ton max. mass for steel)
- Length : Available in any length between 1000 mm to 12000 mm cut to suit customer's requirement. (Lengths above 6000 mm subject to transportation limitations)



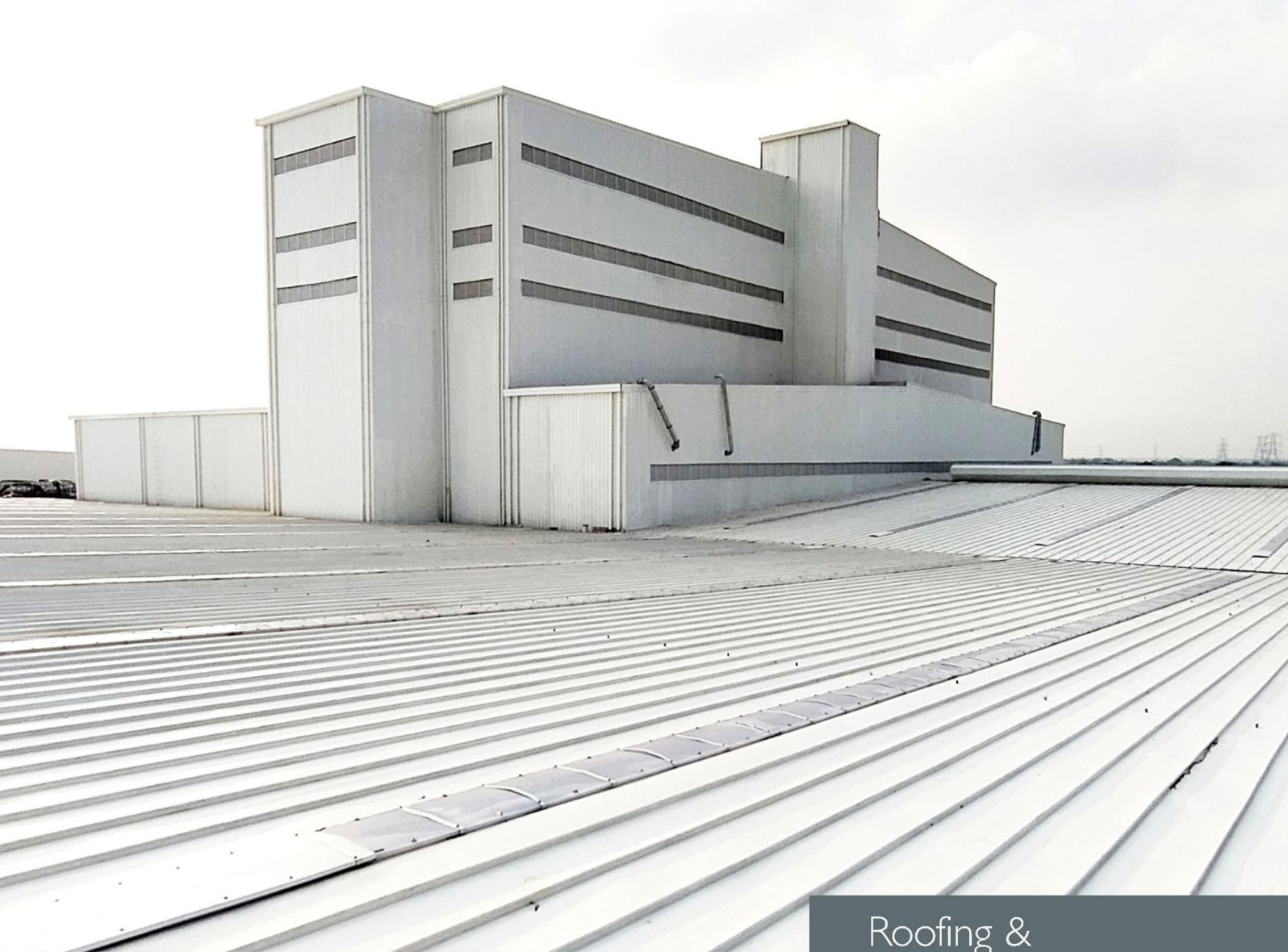
TRACDEK® Hi-Rib Roofing & Wall Cladding System



TRACDEK® 55-2000 Standing Seam Roof System



TRACDEK® Klippon Roofing & Wall Cladding System



Roofing &
Cladding Systems



TRACDEK® Roofing & Cladding Systems

The patented fluted side lap makes TRACDEK® Hi-Rib® completely watertight. The side lap is totally weatherproof. Any moisture drawn in by capillary action is trapped and dispersed by normal run-off.

Long lengths and weatherproof side lap allow TRACDEK® Hi-Rib® to be used safely on roof pitches as low as 3 deg. (approx. 1 in 20) in singlesheet lengths, 5 deg (approx. 1 in 11) with end laps, and for vertical cladding.

TRACDEK® Hi-Rib® is also available in crimp curved sections.

Mass (Hi-Rib®) (Standard Execution)

	Total Coated Thickness (mm)	Approx. mass per unit area Kg/m ²	Approx. coverage m ² / ton
Bare Galvalume® high tensile steel	0.47/0.50	4.18/4.46	239/224
Galvalume® high tensile steel, colour coated	0.50	4.58	218

Mass (Klippon®) (Standard Execution)

	Total Coated Thickness (mm)	Approx. mass per unit area Kg/m ²	Approx. coverage m ² / ton
Bare Galvalume® high tensile steel	0.50/0.55	5.32/5.86	187/170
Galvalume® high tensile steel, colour coated	0.58	6.01	166

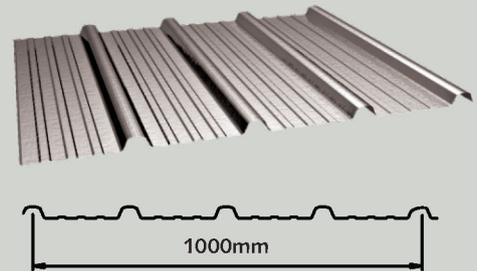
Mass (SS-2000® Standing Seam) (Standard Execution)

	Total Coated Thickness (mm)	Approx. mass per unit area Kg/m ²	Approx. coverage m ² / ton
Bare Galvalume® high tensile steel	0.55	5.19	192.67
Galvalume® high tensile steel, colour coated	0.58	5.31	188

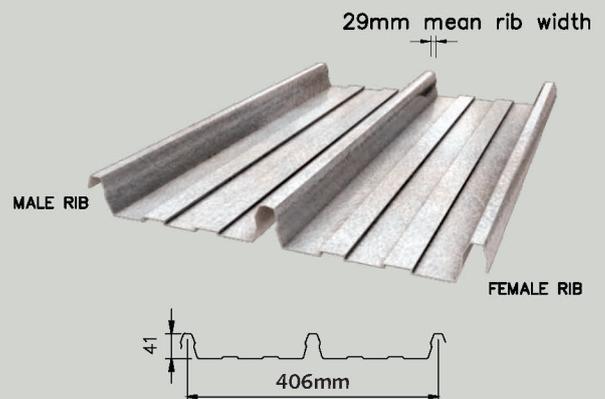
The clip-on side lap makes the Klippon® profile completely water-tight. The side lap is totally weatherproof. Any moisture drawn in by capillary action is trapped and dispersed by normal run-off.

Long lengths and weatherproof side lap allow the Klippon® profile to be used safely on roof pitches as low as 2 deg. (approx. 1 in 30) for single length sheets, 3 deg. (approx. 1 in 20) with end laps.

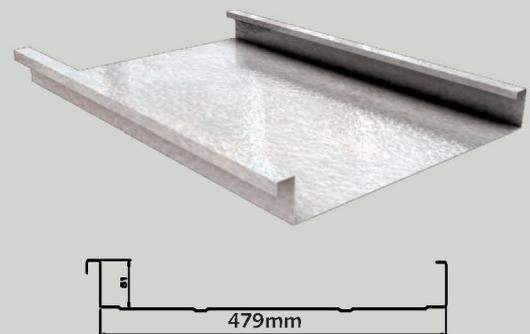
TRACDEK® Hi-Rib®



TRACDEK® Klippon® Roofing System



TRACDEK® SS-2000® Standing Seam Roof



Vertical Leg Structural Standing Seam Roof System

The TRACDEK® SS-2000® standing seam roof system blends the aesthetics of an architectural panel with the strength of a structural panel. This panel has good uplift ratings assuring the reliability of the roof. The designer is afforded a flexible tool to meet any design challenge.

Architectural Structural Panel

TRACDEK® SS-2000® is a field seamed system that combines a slim rib with exceptional uplift resistance. This panel has been designed to withstand the most rigorous conditions. This systems features optional factory installed hot-melt mastic for low slope applications to ensure weather tight seams. Ribs are provided for added aesthetic value.

Concealed Fastening System

A wide choice of concealed fastening clips is available for the system. These clips hold the panels firmly in place without exposed fasteners. Each clip system offers the ability to accommodate thermal movement.

Uplift Ratings

The TRACDEK® SS-2000® system has been tested for uplift ratings to satisfy most building requirements.

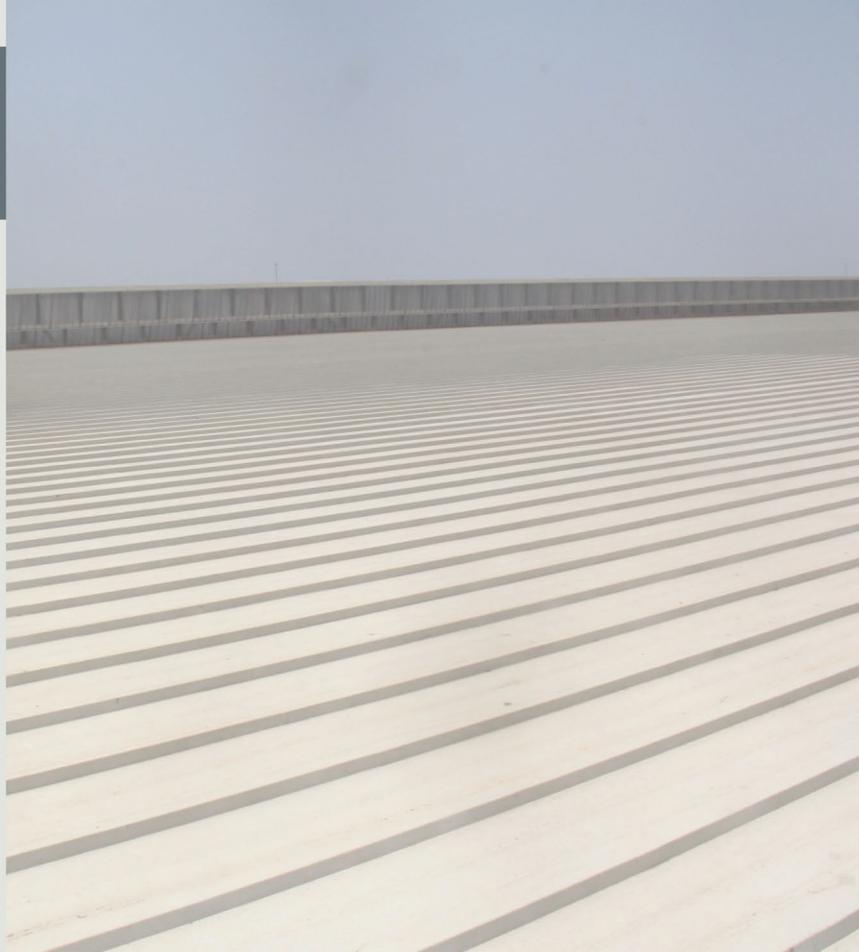
Application

The systems is designed to be installed over open framing, 15mm plywood, or a composite roof assembly may be used as alternate sub-structures.

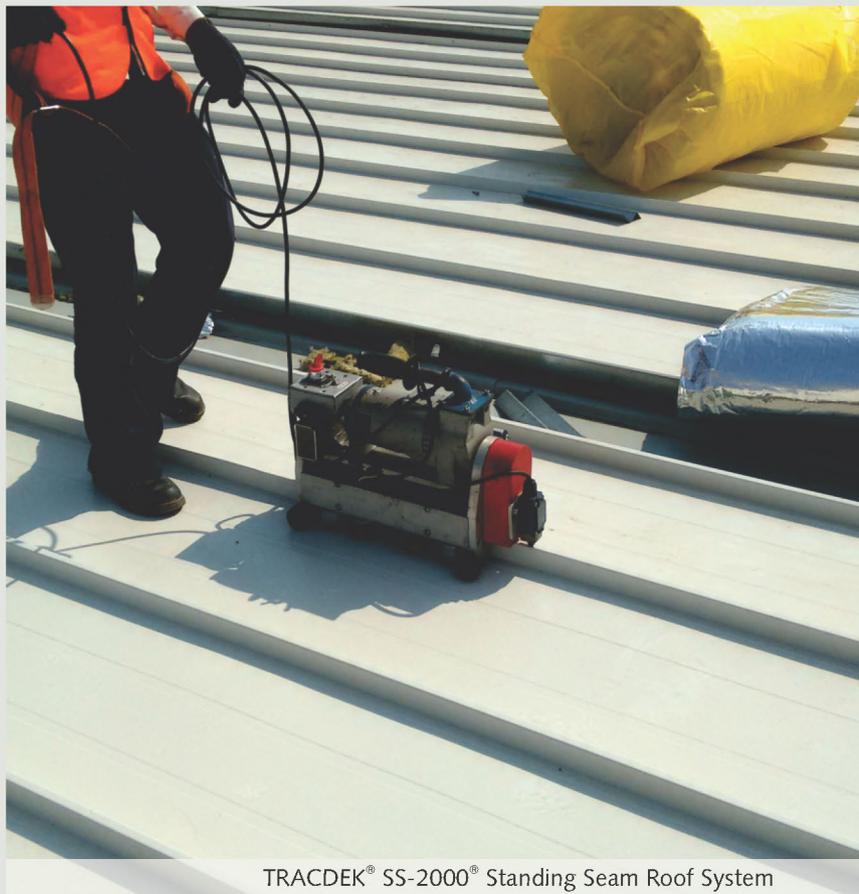
On-site Roll Forming

Facility of on-site roll forming eliminates panel end lap condition.

Panels are manufactured 'at-the-eaves' enabling single length panels on long roof runs.

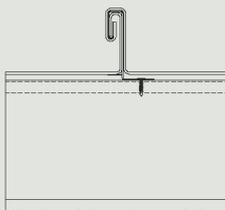


TRACDEK® SS-2000® Standing Seam Roof System



TRACDEK® SS-2000® Standing Seam Roof System

TRACDEK® SS-2000®



SEAMING DETAIL

Profile	Snap Together	Filed Seamed	Min. Roof Slope	Transition	Width Available	Daylight Panels	Solutions	Clip Available	Seam Height
SS-2000®	NO	YES	1:50	NO	479 mm	YES	YES	High or Low fixed High or Low floating	51 mm



TRACDEK® SS-2000® Standing Seam Roof System

The Strongest Standing Seam Roof System You Can Get

The simple fact is that you cannot find a better roof system than a preformed metal standing seam roof system. And Interarch, a pioneer in metal roofing in India, offers you a choice of two unsurpassed systems in the industry. Each Interarch standing seam roof system was engineered from concept to installation for strength, durability and weatherability.

Ideal For Re-roofing

Re-roofing existing buildings is an efficient method of extending the life of any structure. In most instances, an Interarch standing seam roof system can be installed directly over the existing roof with minor modifications, which means no work interruption for the building owner. A qualified structural engineer should be consulted for any modifications to be performed.

Re-roofing existing buildings is not only efficient, but it can also give a completely different look to the structure. By adding a steeper slope and a painted Interarch standing seam roof system, a leaky, expensive roof can be converted into a showplace.

Testing Reliability

To insure that the Interarch standing seam roof system is everything needed in a roof, we constantly test each system for reliability over different structural framing systems such as purlins, metal deck and plywood.



Most Weather-tight Roof System

A standing seam roof system is the most weather tight roof system available in the roofing industry. Special clips available allow thermal roof expansion and contraction during extreme temperature changes. All trim is both weather tight and aesthetically pleasing, giving the roof a nice, finished appearance. Also, the only panel presentation required, other than for end laps, is outside the building envelope. The end laps are tightly sealed using either unique components or by swaging the panels.

Now two FM approved standing seam roof systems are available.

Class I panel roof of FM 4471, which can support minimum wind uplift pressure of 60 psf (2.9 kPa) and 90 psf (4.3 kPa). These profiles are tested for combustibility, wind uplift resistance, foot traffic resistance and hail damage resistance.

Optional factory applied sealant to the panel side lap for low slope applications ensures a tight, secure weather tight lap, whether it is a snap-together system or a field-seamed system.

On-site roll forming is available to eliminate end-lap conditions and to facilitate installation of single length panels from ridge to eaves for large roofs.



TRACDEK® SS-2000® On-site Roll Forming for Single Length Panels

COMPLETE ROOFING

Each Interarch roof system is a complete system. Interarch offers all necessary components including colour matched standard and custom trim, concealed floating clips, long life fasteners and backup plates for use at the end lap and ridge. Panels include factory applied sealant in the side lap to resist air and water infiltration and can be notched for end laps.

QUALITY MATERIAL

Panels for each system are available in 0.55mm or 0.60mm TCT Galvalume and 0.58 mm TCT for colour coated Galvalume. Galvalume is a high quality cold-rolled sheet steel with a corrosion resistant metallic coating of aluminium and zinc. In addition, panel ribs are available, to insure that any exposed fastener will last as long as the roof. Our standard offering is long life polyester coated fasteners for Standing Seam profile minimum 300 mpa yield strength material is used for proper roll forming and seaming.

PAINT FINISH

Interarch offers one of the largest colour selections in the industry in a choice of two paint systems :

Super durable Polyester (SDP) and Polyvinylidene fluoride (PVDF)

DESIGN / INSTALLATION MANUAL

A thorough design and installation manual is available upon request for each interarch standing seam roof system.

LOAD TABLES

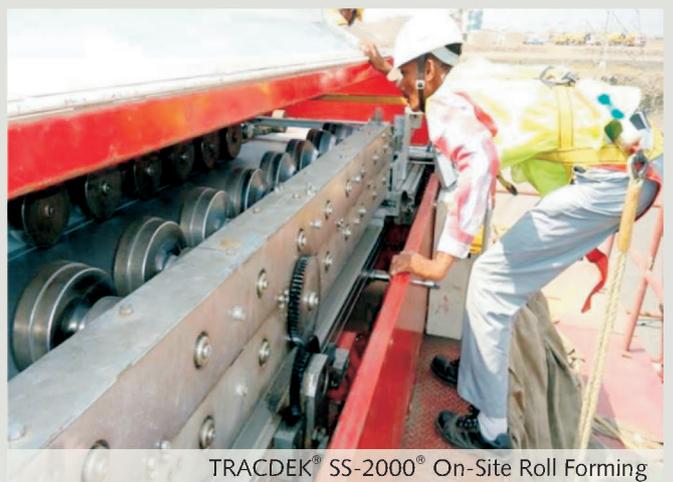
Allowable uniform loads and other pertinent engineering data are available upon request.

SPECIFICATIONS

Interarch has suggested specifications for each roof system option. These are available upon request. Rely on Interarch for the technological support to insure that your next standing seam roof project is a success.

EASY TO USE ROOF SEAMER

The roof seamer for the SS-2000® panels is easy to use and maneuver. Using the quick-release handle, it only takes about five seconds to move from one seam to the next seam. Weather tight seams are made without damage to the panel finish.



TRACDEK® SS-2000® On-Site Roll Forming

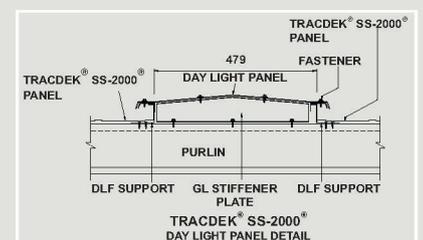
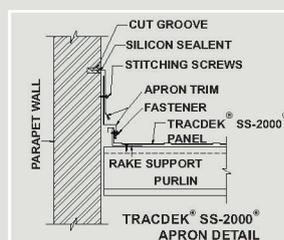
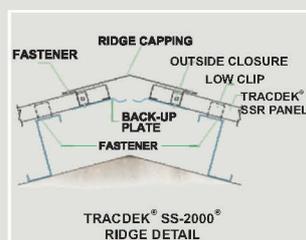
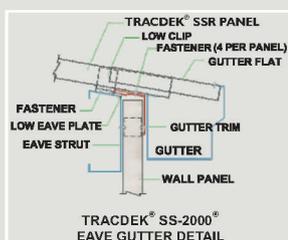
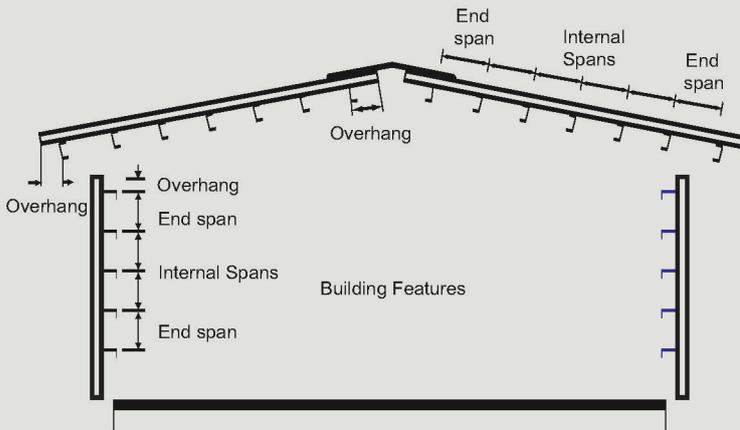


TABLE 1
Max. allowable support spacings



Type of Span	0.50 mm TCT steel (550 MPa)	0.50 mm TCT steel (240 MPa)
Roofs		
Single	900 mm	800 mm
Internal span	1800 mm	1400 mm
End span	1200 mm	1000 mm
Overhangs		
Without edge stiffening	150mm	150mm
With edge stiffening	300mm	300mm
Walls		
Single span	1500 mm	1100 mm
Internal span	2000 mm	1400 mm
End span	1800 mm	1200 mm
Overhangs	300 mm	300 mm

Notes to Table 1

- Support spacings listed have been determined on the basis of suitability of cladding to carry installation and/or maintenance roof traffic and wind loads.
- Wind loads are determined in accordance with IS 875 (part 3) - 1987 for a regional basic wind velocity of 47 m/s, for buildings up to 10 m high in terrain category 3, and assuming an internal pressure coefficient of +0.2. This condition would apply to average suburban or industrial areas for buildings which do not have large fixed openings.
- Support spacings for buildings with more severe wind loading conditions than those listed in note 2 may be determined in accordance with IS : 875 (part 3) - 1987 using Table 2 below.
- Support spacings for roofs are generally governed by foot traffic for low pitch roofs (point load requirement of IS :875 (part 2) - 1987), and by wind loading for high pitch roofs.

MATERIAL SPECIFICATION

- 0.47 mm TCT Bare Galvalume, minimum 550 MPa yield strength.
- 0.50 mm TCT Colour Coated Galvalume, minimum 550 MPa yield strength.

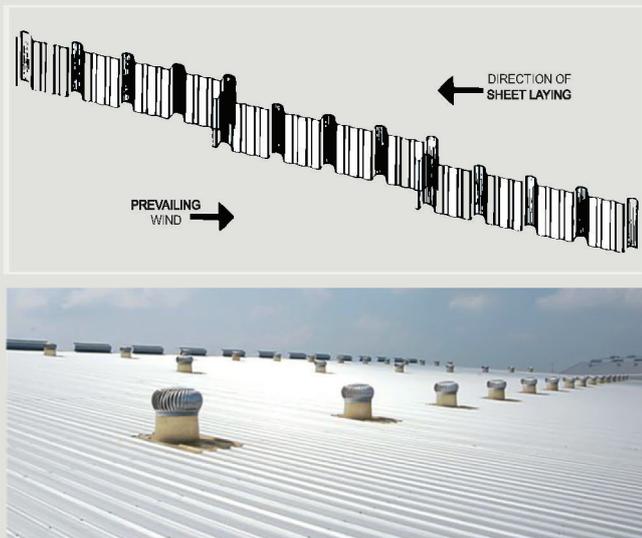
TABLE 2
Distributed load capacity over continuous span conditions
(three or more supports)

Span supports (mm)		900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400
Safe Distributed Load (kPa)	1.	5.57	4.35	3.13	2.57	2.01	1.70	1.39	1.20	1.02	0.90	0.78
	2.	3.53	2.76	1.99	1.63	1.27	1.08	0.89	0.77	0.65	0.57	0.50
	3.	5.81	4.40	3.00	2.29	1.59	1.34	1.10	0.96	0.82	0.72	0.63
Deflection under above load (mm)	1.	2	2	4	5	6	8	9	11	12	15	17
	2.	1	1	2	3	4	5	6	7	8	10	10
	3.	1	1	3	3	4	5	6	7	8	10	11
Max. Wind Uplift (kPa) 4 fasteners/sheets/support	1.	2.89	2.51	2.17	1.95	1.73	1.58	1.44	1.34	1.24	1.16	1.08
	2.	2.22	1.93	1.66	1.49	1.33	1.21	1.11	1.03	0.95	0.88	0.83
	3.	5.03	4.38	3.77	3.14	2.51	2.12	1.74	1.51	1.28	1.13	0.98

TRACDEK® Hi-Rib® ROOFING FIXING PROCEDURE

Roofing

Lift sheets onto roof supports with ribs up and all with overlapping ribs (female) facing towards starting edge. To commence fixing, place the first sheet in position with the female rib in line with other building elements and fasten as recommended. Lap the female rib (with turned-down free edge) of the second sheet over the male rib (with turned-out bottom edge) of the first sheet and insert recommended side lap fasteners to hold the lap firmly in place before fastening the second sheet to supports. Follow the second sheet procedure for subsequent sheets.

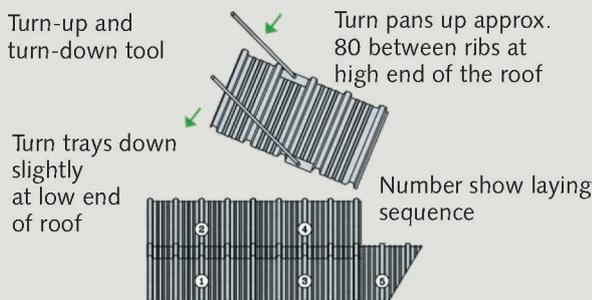


Cladding

For Cladding applications follow the procedure outlined for roofing. The recommended minimum end lap for vertical wall cladding is 100 mm. When the roof pitch is less than 15 deg., or where the roof is exposed to extreme weather conditions, the tray between the ribs should be turned up approx. 80 deg. at the high end of the roof sheeting and turned down slightly at the low end. A Turn-Up tool is available for this operation which can be carried out before or after sheets are fixed in position. If turned up after fixing, at least 25 mm clearance is required at the end of the sheet to position the tool. Walk only in the pans of TRACDEK® Hi-Rib®. Do not stand on ribs except over supports.

Should it be necessary to use two or more end lapped sheets to provide full length coverage of the roof run, lay each line of end lapped sheets complete from bottom to top of the roof before proceeding to the next line of sheets.

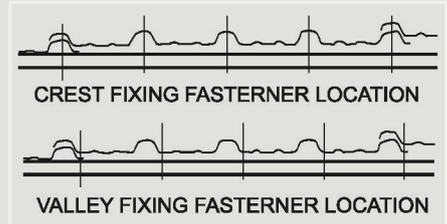
Minimum end lap should be 150 mm, and for roof pitches below 7 deg. lap should be sealed with a recommended sealant. The maximum roof run from top to bottom should not exceed 27500 mm for a single run of sheeting. Expansion joints are required in sheeting for longer roof runs.



LOCATION OF FASTENERS

At Supports

TRACDEK® Hi-Rib® roofing may be fastened by conventional crest fixing to timber and steel supports; in each case there should be four fixings per sheet at all supports. Use only crest fixing for roofs. Wall claddings may be fixed by crest or valley fixing.



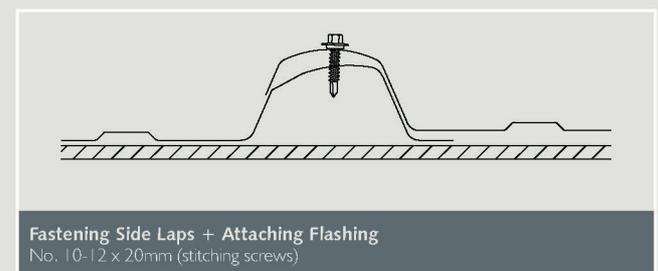
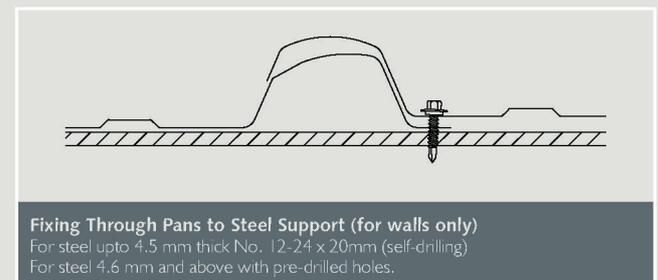
Important: All fasteners located in pan to be as close as possible to ribs as shown.

Side Lap Fasteners

Lap fasteners are essential to hold the side laps of sheets firmly in place and maintain a weather-proof joint. Side lap fasteners are required at midspans for purlin spacing over 900 mm and also for girt spacing over 1200 mm. In the applications where valley fixing is used, a side lap fastener is also required along side each valley fastener, or use a crest fastener at side lap.

RECOMMENDED FASTENERS

TRACDEK® Hi-Rib® should be fixed with the following hexagonal washer head with seal fasteners which are available from Interarch in corrosion protected zinc coated finishes with colour heads or in stainless steel.



TRACDEK® KLIPPON® Support Spacings (non-cyclonic Areas)

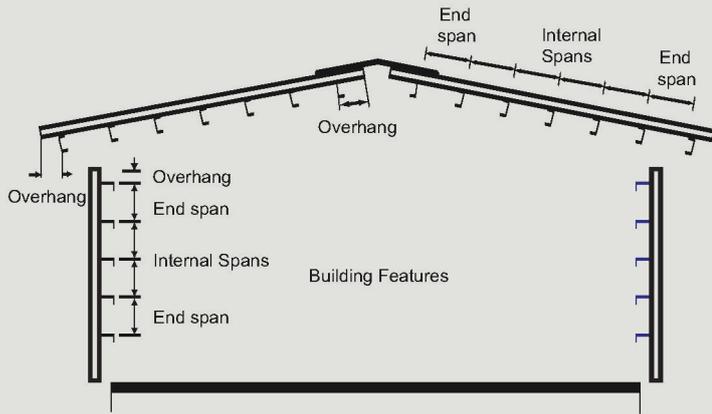


TABLE 3
Max. Allowable Support Spacings - Non-Cyclonic Areas

Type of Span	Klippon® Steel Cladding	
	Regular 0.58 mm TCT	Heavy 0.68 mm TCT
Roofs		
Single	1500	2000
End span	1800	2300
Internal span	2100	2700
Overhang+	200	300
Walls		
Single span	2300	2500
End span	2700	2900
Internal span	2900	3000
Overhangs+	400	600



Notes to Table 1

- Support spacings listed have been determined on the basis of suitability of cladding to carry installation and/or maintenance roof traffic and wind loads.
- Wind loads are determined in accordance with IS 875 (part 3) - 1987 for a regional basic wind velocity of 47 m/s, for buildings up to 10 m high in terrain category 3, and assuming an internal pressure coefficient of +0.2. This condition would apply to average suburban or industrial areas for buildings which do not have large fixed openings.
- Support spacings for buildings with more severe wind loading conditions than those listed in note 2 may be determined in accordance with IS 875 (part 3) - 1987 using Table 4 below.
- Support spacings for roofs are generally governed by foot traffic for low pitch roofs [point load requirement of IS 875 (part 2) - 1987], or ability to clip inter-locking side laps without support on the underside.
- In cyclone prone areas, the support spacings listed in Table 3 may need to be reduced, depending on the degree of exposure of the building to high winds.
+ Overhang - not meant for foot traffic.

MATERIAL SPECIFICATION

- 0.50 mm TCT Bare Galvalume, minimum 300 MPa yield strength.
- 0.55 mm TCT Bare Galvalume, minimum 300 MPa yield strength.
- 0.58 mm TCT Colour Coated Galvalume, minimum 300 MPa yield strength.
- 0.68 mm TCT Colour Coated Galvalume, minimum 300 MPa yield strength.

TABLE 4
Allowable wind loads over continuous span conditions (three or more supports for TRACDEK® Klippon®)

S. No.	Span Supports (mm)	900	1200	1500	1800	2100	2400	2700	3000
1	Regular, Clip fastened with screws, (Load, kPa) ¹	4.65	3.49	2.59	2.01	1.80	1.37	1.29*	0.90*
2	Heavy, Clip fastened with screws, (Load, kPa) ²	5.99	4.50	3.60	2.75	2.14	1.64	1.50	1.20*

* Spans applicable to Cladding only.

- 0.58 mm TCT substrate, 300 MPa
- 0.68 mm TCT substrate, 300 MPa

Notes to Table 4

- Spans take into account safety factor of 1.6. A stress increase of 33-1/3% is permitted for wind loads as per IS:801 - 1975, and has been considered.
- The span table takes into account deflection limitation of span/150 for downward loading and span/90 for upward loading.
- Loads have been determined from tests in accordance with AS 1562 - 1980. This Standard stipulates that the maximum deflection between adjacent purlins shall not exceed span/90 and the residual deflection 5 min. after removal of the force shall not exceed span / 900.

Sheet Laying & Fixing TRACDEK® KLIPPON®

TRACDEK® KLIPPON® FASTENING METHOD

TRACDEK® Klippon® steel cladding is designed to be fastened to roof purlins or wall girts with fixing clips which are concealed during fixing and do not require any fastening holes through the steel sheets. The fixing clip shown in the following illustration can be used to fasten Klippon® steel cladding in both 0.58 mm and 0.68 mm TCT.

The clip for fastening Klippon® steel cladding requires only two fasteners per clip and provides an easy, positive engagement in the ribs of the profile.

The two fasteners are inserted only through the two punched holes.

Four dimples are also provided in the clip but these are for auxiliary fasteners only.

The clip has a short return leg and long return leg. The clip must be positioned with the short leg engaging over the male rib of the under lapping sheet.

Because of the concealed clip fixing method, no fastening screws are visible and there is no screw penetration through the external sheeting.

Concealed fixing also offers an advantage of security. Entry into the premises by unscrewing of roof and wall cladding sheets is not possible. TRACDEK® Klippon® can be used for roofing large span factories, warehouses, commercial, educational, institutional, domestic and recreational buildings.



RECOMMENDED FASTENERS TWO FASTENERS REQUIRED PER CLIP

STEEL SUPPORT

Thickness

Upto 4.5 mm

Directly to Support

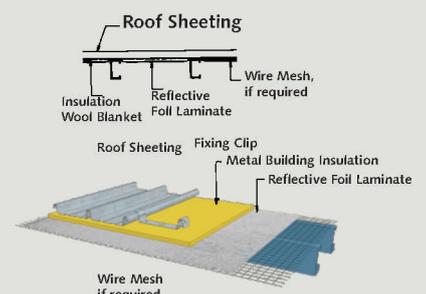
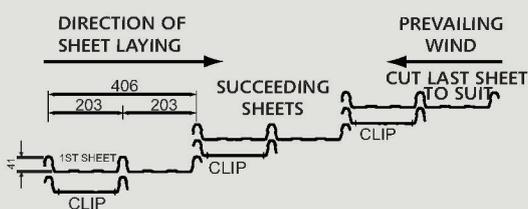
No. 10-16 x 16 mm wafer-head self-drilling and tapping screw

Over Insulation Blanket

Increase to 32 mm long screw, if required

Exceeds 4.5 mm

No. 12-24 x 32 mm wafer-head self-drilling and tapping screw





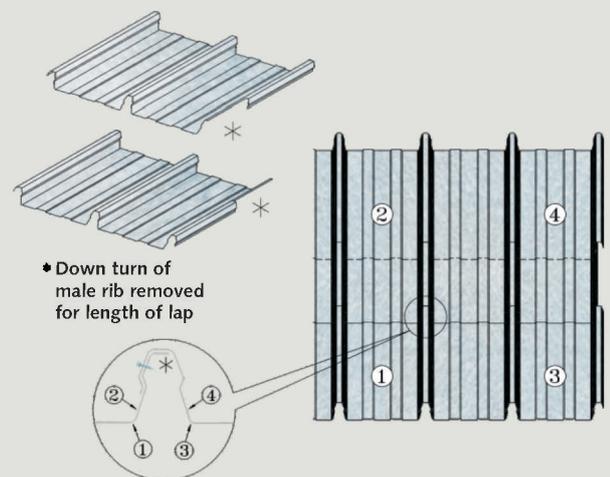
IGI Airport Terminal 3, New Delhi

END LAPS

On most jobs, single long length sheets can be ordered to reach from ridge to gutter, so that end laps do not normally occur. This is possible because Klippon® roofing and walling profiles are manufactured by a continuous process.

However, should it be necessary to use two or more shorter sheets to provide full length coverage, the locking ribs of Klippon® steel cladding are sufficiently flexible to enable it to be end lapped.

The diagram illustrates the correct method of placing the various profiles. The recommended minimum length of the end lap is 150 mm. The end lap should be weather-proofed by sealing it with non hardening silicon sealant. It can be further secured by using self tapping screws to the ribs (refer to diagram).





TRACDEK® HI-RIB® Crimp Curved Roofing & Cladding

Crimp Curved TRACDEK® Hi-Rib® is developed to provide versatility and creativity. It brings new and refreshing design to commercial, industrial and domestic buildings.

The combination of curves and contours in concave and convex shapes with flats and angles in TRACDEK® Hi-Rib® produce many aesthetically pleasing buildings.

This design freedom can result in significant cost saving in construction mainly due to :

- a) Less supporting framework required for parapets and roofs.
- b) Reduction or elimination of many flashing/cappings.
- c) Less cladding material required for covering a given curve.

Crimp Curved TRACDEK® Hi-Rib® is available in polyester coated galvanized steel or organic coated Galvalume®.

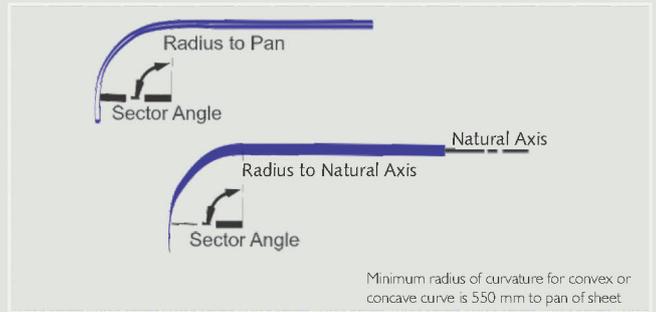
For Crimp Curved TRACDEK® Hi-Rib®, the minimum radius of curvature for either concave or convex curving is 550 mm to inside of sheet.

Minimum length of sheet at either end of a curve is 180 mm at leading end and 200 mm at the lagging end.

The sheets can be curved to 3 quarters of a full circle (for convex and concave) but to facilitate side lappings, semi circle maximum is recommended.

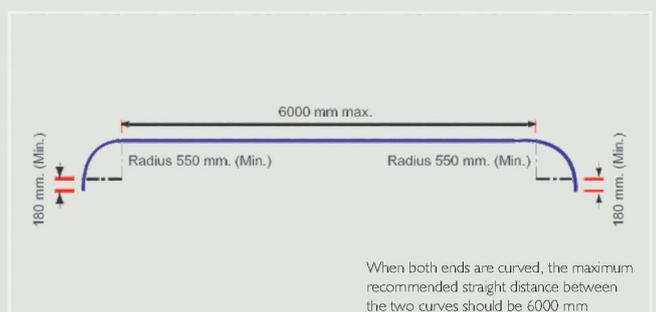
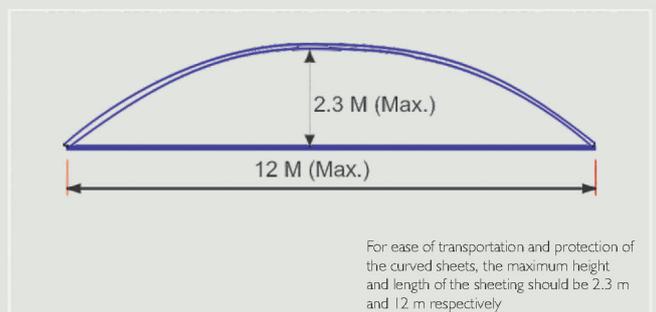
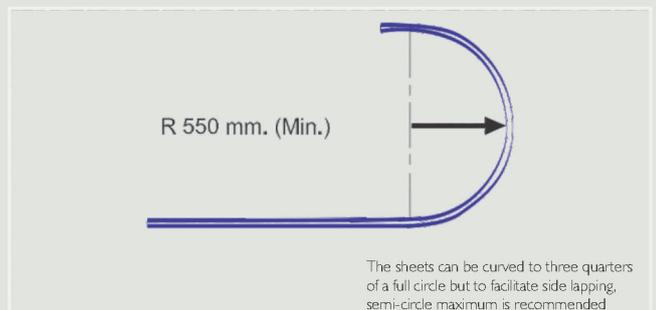
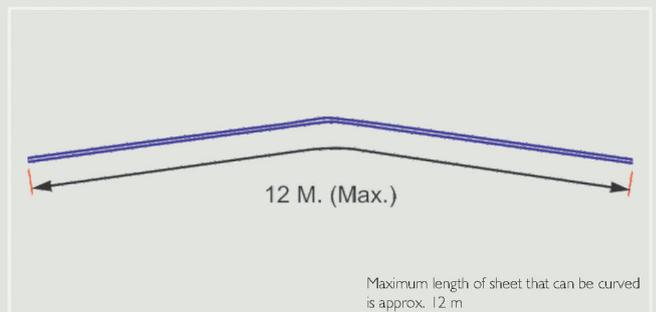
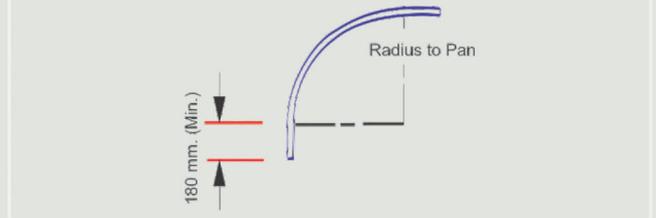
Maximum length of straight sheet that can be curved at its centre (for Ridge Application) is approximately 12 metres.

Following details are required with order



CRIMP CURVED LIMITATION

The Limitation of CRIMP CURVED TRACDEK® Hi-Rib® steel cladding are:



TRAC[®] I 50 F Wall Cladding

MATERIAL

Panels : 150mm wide x 17mm deep, made out of 0.60mm aluminium alloy AA 3105/5050 with stove enamelled coil coated finish/0.50mm yield 250 MPa galvanised steel with stove enamelled coil coated finish.

(Colour according to TRAC[®] colour chart and availability)

Panel length up to approx. 6m

Stringers : 34.5mm wide, 48mm deep made out of 0.95mm aluminium alloy AA 5052/0.60mm galvanised steel (yield 250 MPa), with prongs to hold the panels in module of 150mm, fixed on rigid sub-structure (by others).

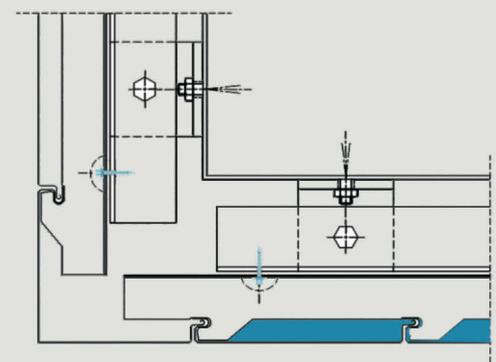
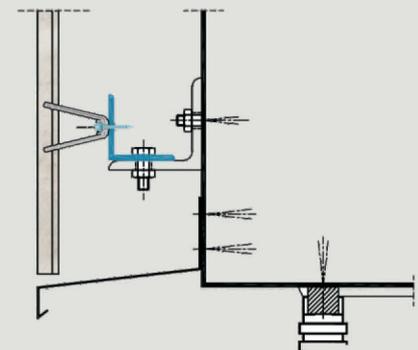
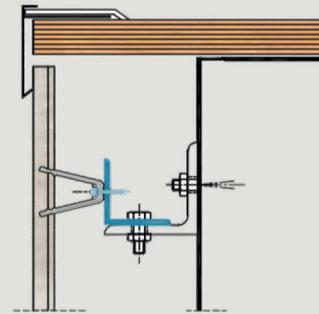
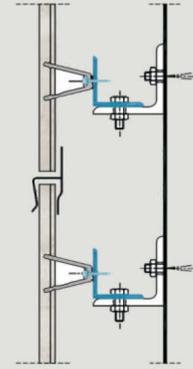
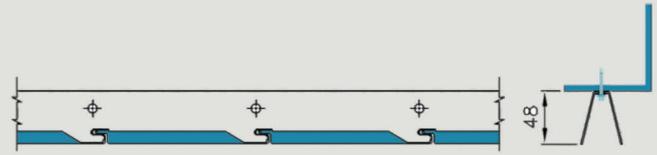
PAINT FINISH - PANELS

Coil coated : Panels will be finished on exposed side with coil coated stove enamelled PVF2/polyurethane/polyester paint with a wash coat on rear side.

Panel Splices : Pressed from stove enamelled aluminium, 0.6 mm thick / 0.50 mm for Galvanised.

Horizontal Joint Profiles : To close horizontal joints between the panel ends : an extruded aluminium profile made of corrosion resistant alloy.

Washer sets : To prevent contact corrosion between the aluminium stringers and steel understructure; nylon washer set with aluminium stiffening plate.





General Notes

SUGGESTED SPECIFICATIONS

Steel roofing (and/or walling) where indicated shall be TRACDEK®

Hi-Rib® / Klippon® in continuous lengths, fixed to supports with approved fasteners as per the manufacturers' recommendations on the drawings. (Steels supports shall be Zinc or paint coated). Sheets shall have approved side laps with the top sheet laps facing away from the prevailing weather.

Flashings are to be manufactured from like or compatible materials as designated and shall cover the sheets a minimum of 100 mm. Attachments and joints are to be made with mechanical fasteners and sealants approved by the cladding manufactures. Packs of sheet shall be kept dry in transit and on site to prevent water and/or condensation being trapped between adjacent surfaces. Packs of sheet standing on site shall be stored clear off the ground. Sheets shall be handled using clean dry gloves.

The roof and gutters shall be swept clean of all debris (nuts, screws, cuttings, fillings etc.) by using a soft broom at least at the end of the each day's work and particularly on the completion of fixing. The job shall be left clean and in the weather tight condition. All sheets shall be fixed in a workmanlike manner and in accordance with the manufacturers' recommendations.

- Base steel be cold rolled Galvalume® Steel as per AS 1397 (150 gsm/m² aluminium & zinc alloy coating mass) or cold rolled galvanized steel as per IS:277 with 180 gsm/m² zinc coating mass.
- Substrate shall be pre-painted with Super durable polyester paint system / PVDF paint system.

Foam fillers for ridge cappings and transverse flashings are recommended for roof slopes below 3 deg.

GENERAL NOTES

Handling and Storage

To preserve the surface, handling should only be carried out using clean, dry gloves. Do not slide sheets over rough surfaces or each other. Packs of TRACDEK® steel cladding in all finishes must be kept dry in transit, and stored clear of the ground under cover to prevent water and/or condensation being trapped between adjacent surfaces. If packs become wet, sheets should be separated, wiped with a clean cloth without delay and placed so that air circulation completes the drying process. These procedures are recommended to avoid possible deterioration of the coating which could lead to a reduced life expectancy or poor appearance.

Cutting Sheets

It is good practice to place the finish paint side down when cutting coloured pre-finished TRACDEK® steel cladding with a power saw. This lessens the amount of hot filling likely to adhere to the paint surface and cause early corrosion problems. Do not cut over the top of other painted products. Likewise, if power cutting or drilling is to be carried out on an organic coated steel product already fixed in position, the area around the holes or cuts should be masked or at least covered with tape, rags, etc. to shield the paint surface from hot fillings.

Cleaning Up

Ensure that metallic articles are swept off sheet surfaces immediately following any cutting, drilling, etc.

Maintenance

When TRACDEK® steel cladding is used in locations not washed down by rain, i.e. walling under eaves overhang, ceiling, etc., we recommend that it be washed with clean water when grime is accumulated. Pollution, particularly wind-borne salts and atmospheric deposits of sulphur and other pollutants will shorten its service life. Locations where pollutants will not be dislodged with water, it is recommended that a mild household detergent be added to the water.

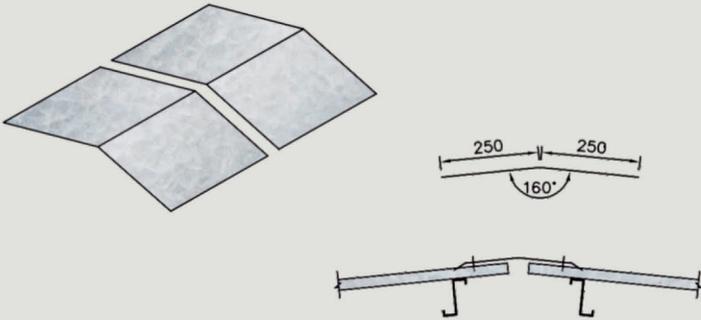




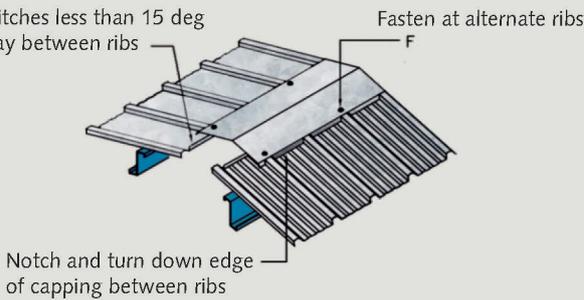
Flashing Detail for TRACDEK® Roofing Systems

Type 1 : Ridge Capping

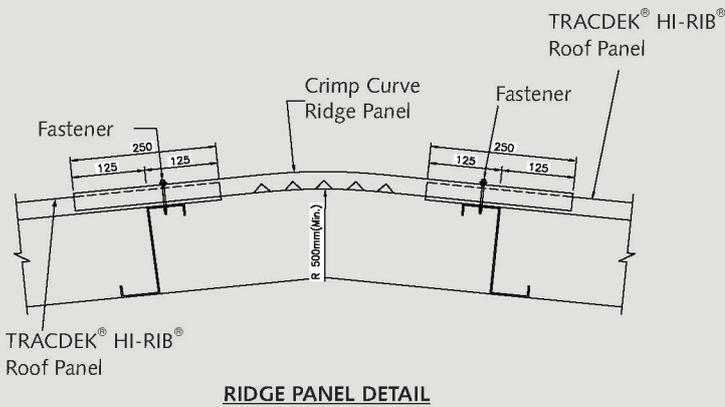
For roof pitches above 15 deg. type 1 ridge capping can be used without notching and turn down.



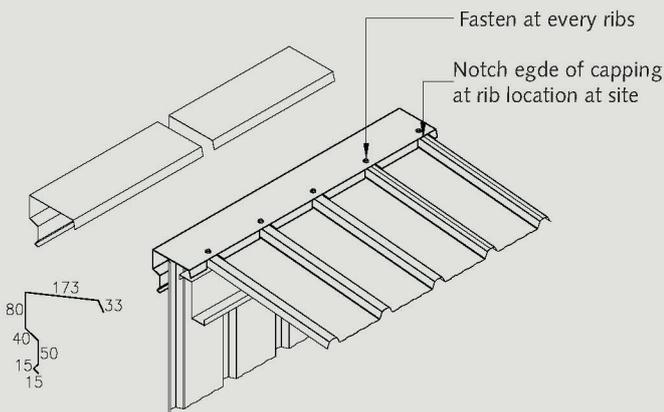
For roof pitches less than 15 deg turn up tray between ribs



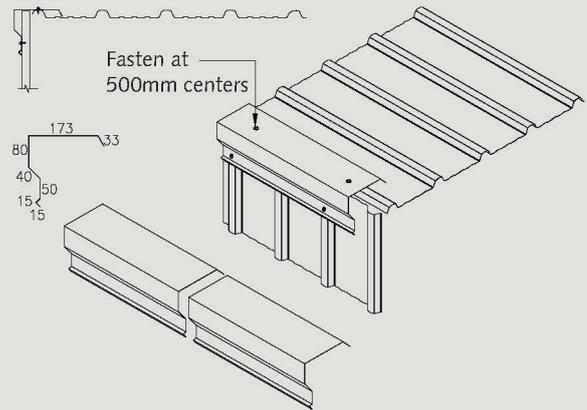
Type 1A : Ridge Capping



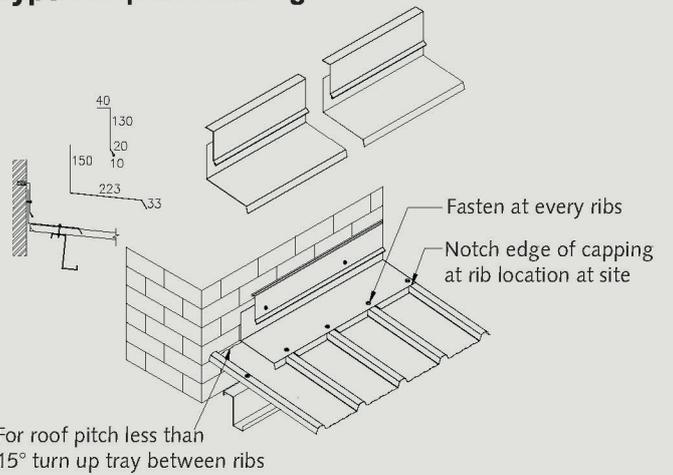
Type 2 : Single Ridge Capping (notch and turn down on site)



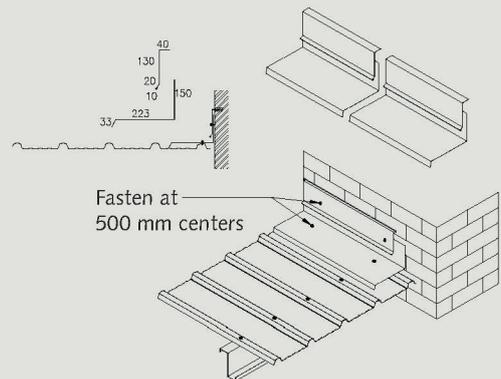
Type 3 : Barge Capping



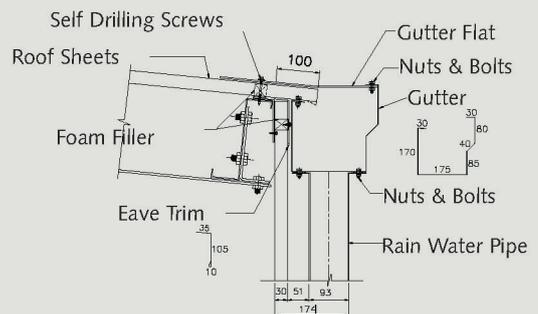
Type 4 : Apron Flashing



Type 5 : Apron Flashing II



Type 6 : Gutter



Note : Standard flashings are manufactured out of same material as roofing/cladding material.



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Pre-Engineered Structural Steel & Multi Layer Roofing Systems - IGI Airport Terminal 3 - Panoramic View International PIER Roof



Aeroplane Basmati Rice, Amritsar



Greenply Industries Ltd, Chittoor



Decathlon Sports India Pvt Ltd, Multiple Locations



Subros Ltd, Mehsana



Sunset Real Estate Pvt Ltd, Binola



Pre-Engineered Structural Steel & Multi Layer Roofing Systems - IGI Airport Terminal 3 - Panoramic View International PIER Roof



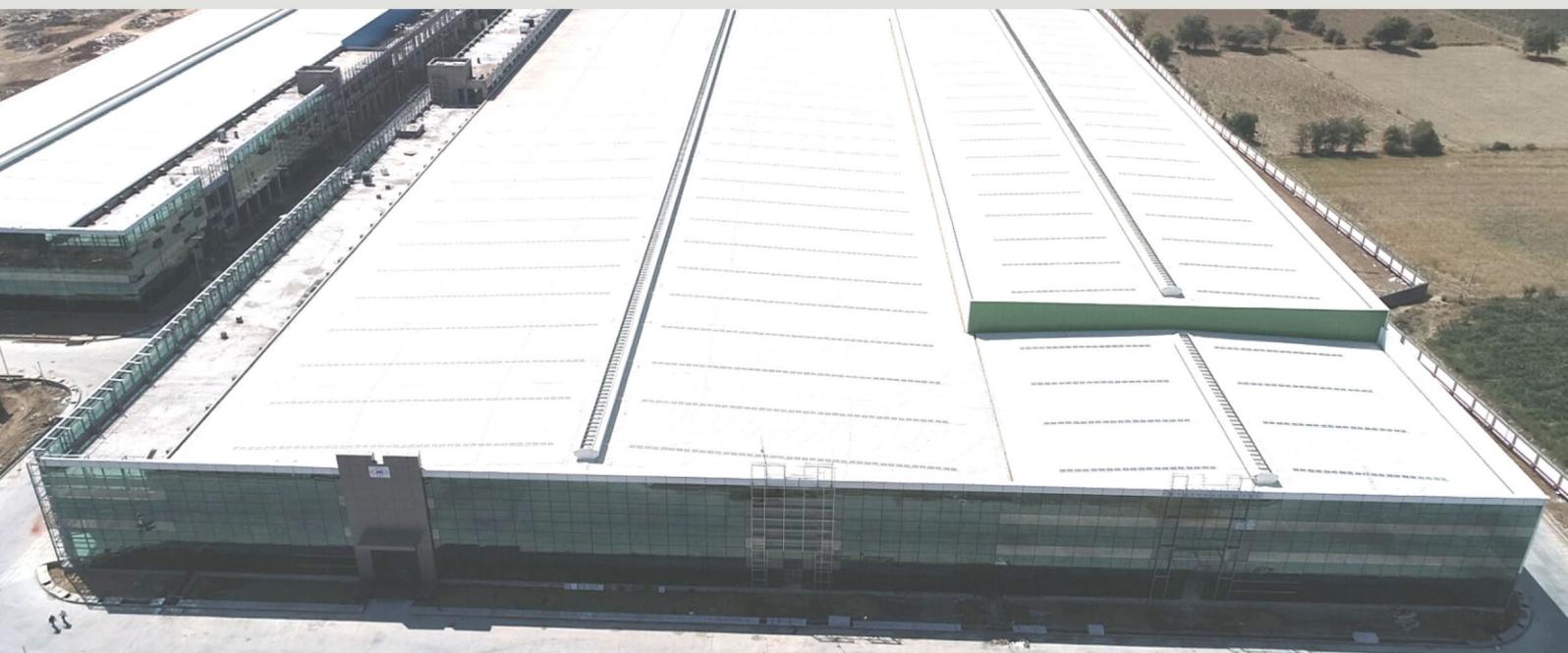
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Corporate Office

B-30, Sector 57, NOIDA - 201 301, INDIA
Tel.: 0120 - 4170200, Fax : +91-120-2581017
E-mail: info@interarchbuildings.com | www.interarchbuildings.com

Registered Office

Farm No-8, Khasra No. 56/23/2, Dera Mandi Road,
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