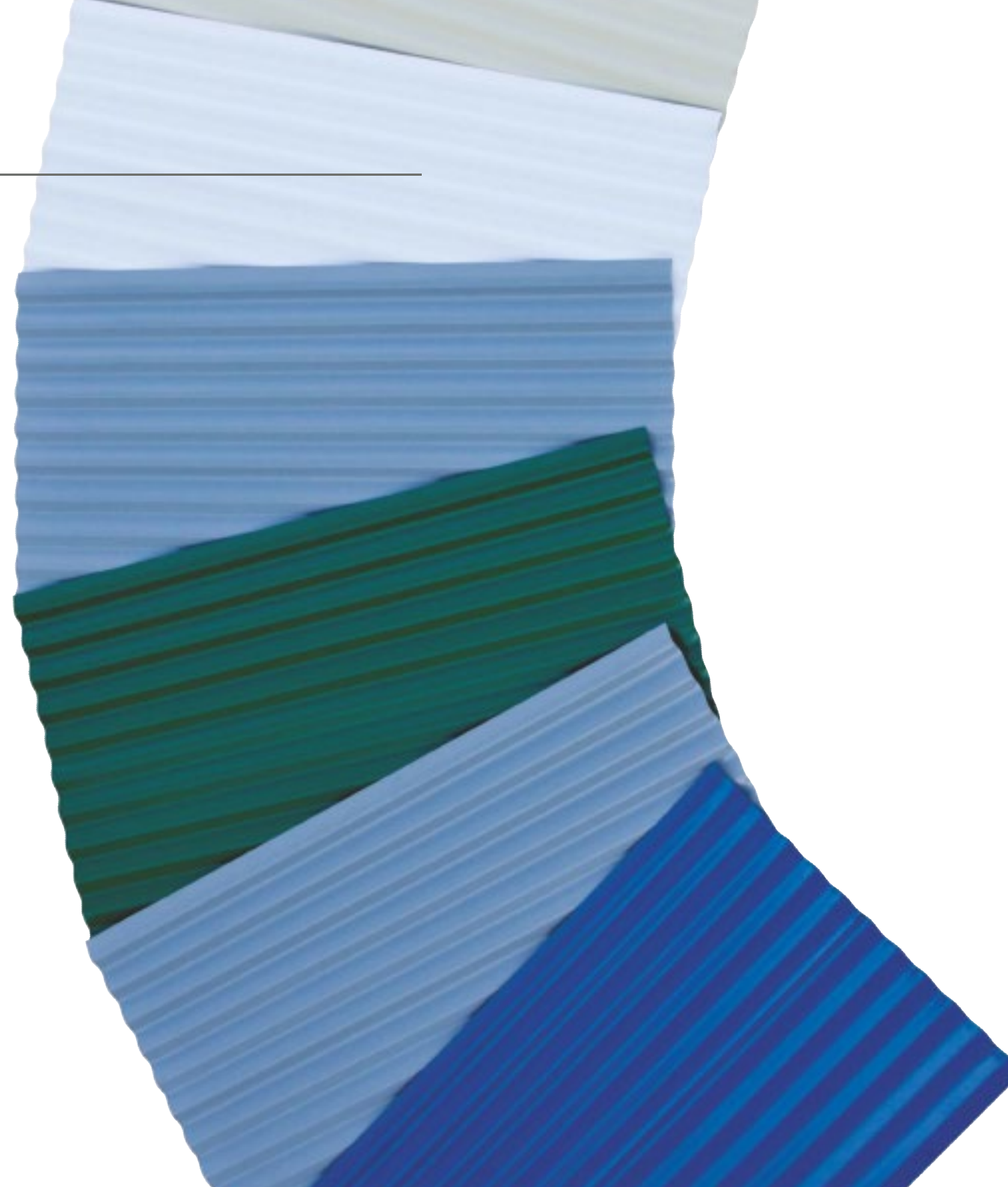
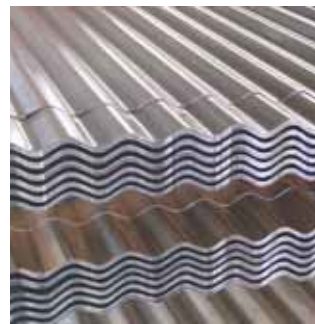


CORRUGATED

SHEETING

Corrugated is the traditional and familiar S-Rib profile for roofing and cladding applications. It is the oldest and most commonly used roofing profile because of its easy handling and fixing properties and related strength. The S-Rib is derived from sinus curve and offers very strong structural properties. The 8.5/76 stands for 8.5 corrugations over the width of the sheet and 76 refers to the distance in millimetres between two consecutive curves. The Corrugated profile virtually eliminates oil canning and the sheeting can be factory cranked, curved and bullnosed to various radii depending on customers' requirements. The overall width of an 8.5 Corrugated sheet is 700 mm and that of a 10.5 Corrugated sheet is 840 mm.



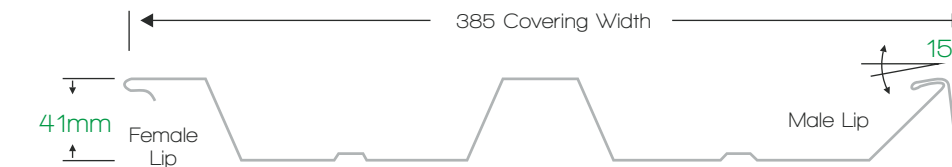
STRUCTURAL GUIDELINES

Corrugated roof sheets are available in a wide range of materials displaying various structural properties. It should be noted that the load span characteristics are only to be used as a broad guideline, as purlin spacing is also dependant on other factors such as the prevailing winds in a particular area, snow during winter periods, the presence of dust and other particles in industrial areas, the type of structure that is being erected, etc. We therefore recommend that an engineer be consulted to determine the purlin spacing for a specific application.

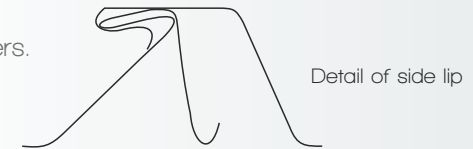
Thickness Steel Grade	Recommended maximum purlin spacing (metres) - Corrugated					
	0.40 mm ISQ300	0.47 mm G550 ISQ550	0.50 mm ISQ550 G550	0.55 mm G550	0.58 mm ISQ300	0.80 mm ISQ230
Roof - single span	0.60	0.90	0.90	0.90	0.90	1.20
Roof - double span	0.80	1.10	1.10	1.20	1.20	1.50
Cantilever - roof	0.15	0.25	0.25	0.30	0.30	0.45
Wall - cladding	1.00	1.40	1.40	1.50	1.50	1.80
Cantilever - wall	0.25	0.85	0.85	0.85	0.85	1.00
Weight per metre	2.974 kg	3.495 kg	3.718 kg	4.090 kg	4.313 kg	5.949 kg
Weight per m ²	3.90 kg	4.59 kg	4.88 kg	5.37 kg	5.66 kg	7.81 kg

Table indicates standard stock available. Discuss your individual needs with our sales consultant.

ROOF SHEETING



As a general description, a Craft-Lock® roof sheet profile is characterised by its hidden fasteners. As illustrated by the drawings, the use of a starter bar and fixing cleats allows positive fixing of the roof. This eliminates potential leakage problems and enhances the aesthetics.



Detail of side lip

Craft-Lock® Roof Sheet Profile

Unrestricted thermal movement. The unique fixing method allows for expansion and contraction of the sheeting without subjecting the fasteners to fatigue or loosening.

Double capillary action break. The double capillary brake design of the interlocking mechanism of adjoining sheets ensures the prevention of ingress of rainwater by capillary action.

Ease of erection. As set out in the "Erection Procedures", Craft-Lock® sheeting can be erected easily by using unskilled labour, requiring the minimum tools. The narrow width of sheets simplifies handling and erection procedures.

Long span capacity. Owing to the depth and rigidity of the profile, long spans between purlins are possible. (Technical data and test reports are available on request.)

Craft-Lock®

SUSTAINABLE SOLUTIONS BY THE PEOPLE THAT CARE!

THE CONCEALED FIX PROFILE FOR ROOF AND FACADE

Craft-Lock®

Water-carrying capacity. The trough-depth of 41 mm enhances the water-carrying capacity of the sheet and makes low roof pitches possible.

Security. As fasteners are concealed, roof sheets cannot easily be removed from outside.

Economy. The narrow width of the sheet reduces wastage, or the necessity for cutting of sheets, thus saving on material and labour.

Profiling. Craft-Lock® sheets can be profiled on site to reduce transport costs and to eliminate transport damage. Wet storage corrosion resulting from extended unprotected storage of stacks of profiled sheets on the building site is therefore prevented.

Long lengths. As is the case with other roll profiled sheets, the maximum length of sheets is limited by transport criteria. When profiled on site, virtually any lengths can be used.

Re-usable. Another unique advantage of Craft-Lock® sheets is that they can be re-used. If a building is to be demolished, the hold-down clips can be removed to recover the roof sheets. Re-use is possible as there are no holes in the sheets.

Corrosion performance. As the side lap contact area of the profile is minimal and is well ventilated, trapped moisture cannot remain and the danger of overlap corrosion is eliminated.

Accessories. All accessories such as closures, poly-closures, ridge capping, fasteners, sealant, etc. necessary to complete the most intricate roofing project can be ordered from the suppliers.

Accreditations.

Craft-Lock® fully complies to Government Specification OW 371 (7.6.2[©]) and the specification of the South African Bureau of Standards 0162-2 and NBR 0400.

Approved by the German "INSTITUT FÜR BAUTECHNIK" under the number Z-14, 1-395.
Tests done by University of the Witwatersrand.

The Craft-Lock® roofsheet was also nominated for the Industrial Award by the Corrosion Institute of South Africa in 1994.



Craft-Lock®

ROOF SHEETING

Technical data

The Craft-Lock® roof sheeting system is the result of years of research and wide experience in the roofing industry. The development of the Craft-Lock® sheet was aimed at eliminating disadvantages inherent in many of the existing types of roof profiles. The result is a unique long span profiled sheet that can be erected by unskilled labour with the minimum of tools, to ensure a leakproof roof.

Profile dimensions: Effective cover width = 385 mm
Depth of profile = 41.0 mm

Resistance against negative loading (suction). Negative wind loads for roofs generally do not exceed 1.5 kN/m². Practical tests to verify these values have been carried out.

Analysis shows that the Craft-Lock® interlocking fixing system can readily resist negative loads in excess of 3 kN/m². Practical tests to verify these values have been carried out, (test reports are available on request)

Profile properties

The following table reflects the profile properties of Craft-Lock® sheets, based on a theoretical analysis. Actual loading tests have been conducted to determine practical load span data, (test reports are available on request)

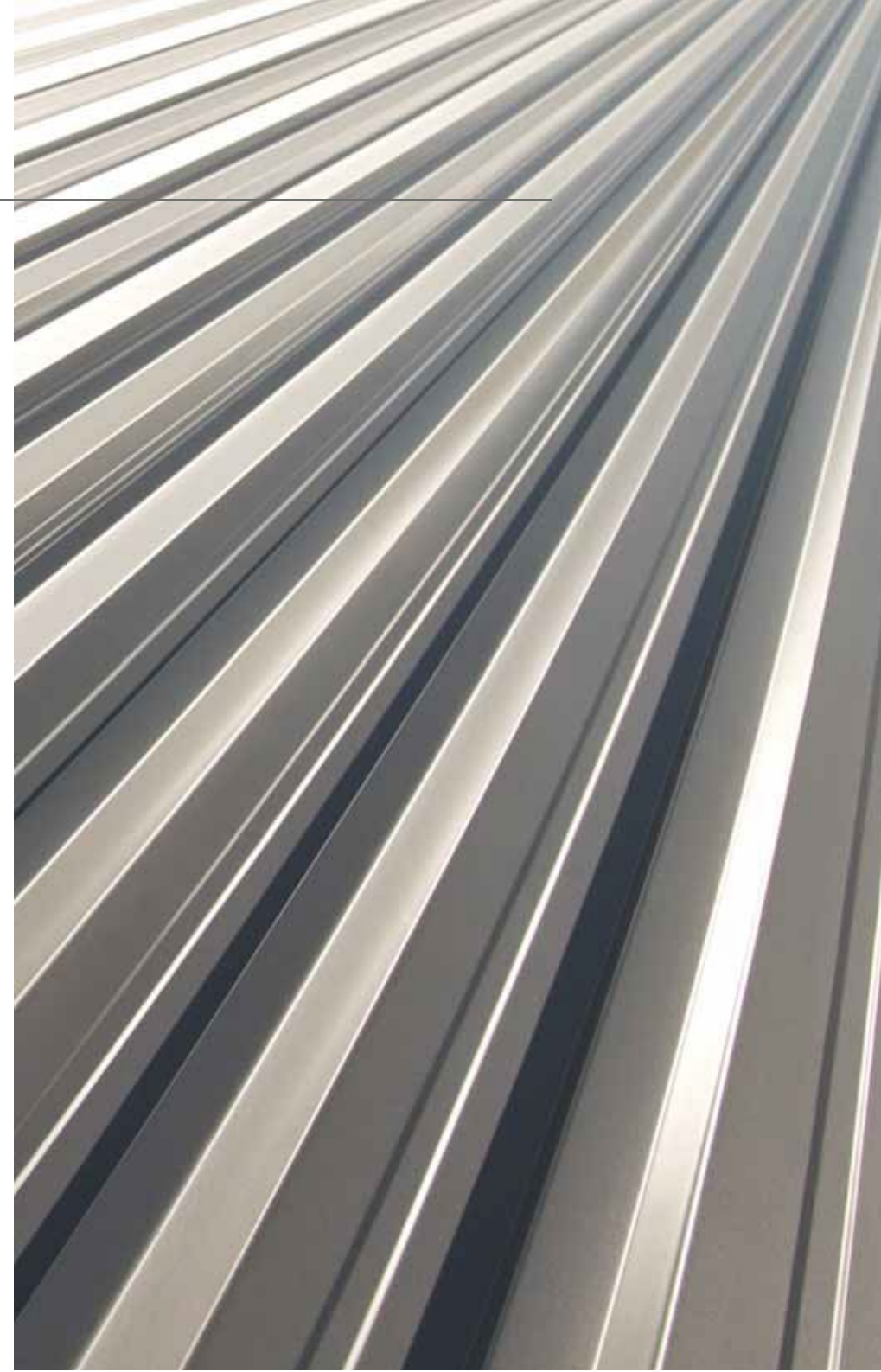
Material	Mass		Maximum purlin spacing	
	per linear m kg/m	per m ² kg/m ²	Single span m	Double spans m
Steel Sheet				
0.55 mm AZ150	2.652	7.32	1.000	1.800
0.58 mm Z275	2.86	7.42	1.000	1.800
Copper Sheet				
0.6 mm	3.229	8.50	0.800	1.200
Aluminium				
0.8 mm	1.300	3.41	1.000	1.800

- 1) ISQ 300 conforms to SABS 0162/2
- 2) Values based on concentrated positive or negative loads of 1.5 kN/m² and allow for deflections of 1/200

Minimum pitch: 1°

Water carrying capacity. The deep trough of the Craft-Lock® profile maximises the water carrying capacity

Trough section area/sheet = 10 760 mm²
Trough section area/m width = 28 330 mm²
Volume of water/m² of sheet = 28.33 litres
(without covering ribs)



Availability

Craft-Lock® can be ordered in the following materials:

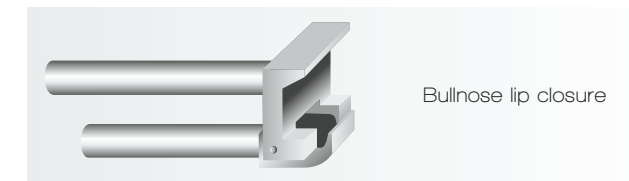
Material

Zincalume®	0.55 mm
Colorbond®	0.55 mm
Colorplus®	0.55 mm
ZincAL®	0.55 mm
Galvanised	0.58 mm
Chromadek®	0.58 mm
Copper Sheet	0.60 mm
Aluminium mill finished sheets	0.70 mm
	0.80 mm
	0.90 mm
Aluminium colour coated sheets	0.70 mm
	0.80 mm
	0.90 mm
Polycarbonate Translucent Sheets	1.20 mm
GRS	1.40 mm - 3.00 mm



Bullnosing
To radius of 450 mm minimum

Angle Bend
From 30° to 90°



Bullnose lip closure

Cranking

Craft-Lock® can be cranked to continuous curves (minimum 450 mm radius). Ridge cranking facilities are available to crank Craft-Lock® sheets. Radii in excess of 28 m can be rolled to the required curve on site without cranking. Take note that in event of a bullnose roof detail, the female side of the roof sheet has to be closed with a bullnose lip closing tool.

Regarding the roof sheet, the following is to be noted:

- 1) An international trademark has been obtained.
- 2) It is internationally patented.
- 3) For accessories also refer to flashing supplement.

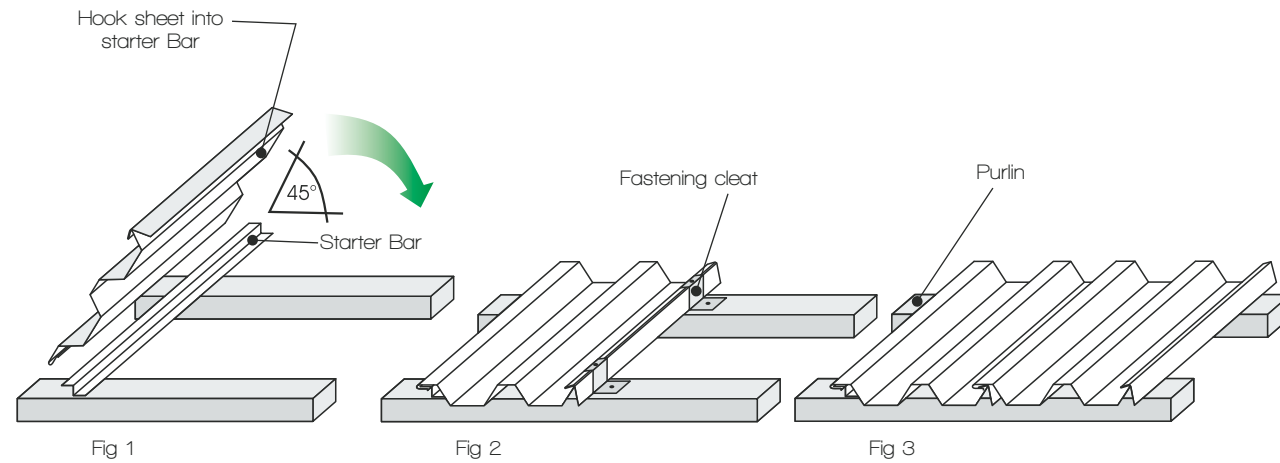
Product specification

Craft Lock® sideways interlocking concealed fix roof sheeting with double capillary action break manufactured from 1) 0.58mm thick 2) ISQ 300 steel with 3) Chromadek® finish with a 4) Z 200 5) Galvanized coating. A material certificate confirming material grade, thickness before painting, paint system and galvanized coating must be presented upon request. Roof sheets shall be fixed to every purlin (Maximum 1900 mm purlin spacing) by means of a concealed fastening bracket directly over up to 135 mm thick "Blanket type" insulation installed "over the purlin" according to supplier specifications. Brackets shall be manufactured from Galvanized steel and shall be fixed to steel purlins with one 25-50 mm long full thread self-drilling screw or with two, T 15 serrated nails to timber purlins.

- 1) Refers to your thickness of choice.
- 2) Refers to the correct material grade.
- 3) Refers to the desired finish.
- 4) Refers to the desired protective coating mass.
- 5) Refers to the desired protective coating (refer to above table).

SPECIFICATION FOR ERECTION

Due to the sound design of the Craft-Lock® profile, high quality roofing can be erected by unskilled labour. To ensure satisfactory results, the following basic guidelines should be followed:



Step 1:

To start, place the Z-shaped starter bar at one end of the roof (starting), perpendicular to the purlins, as shown in Fig.1. If necessary, starter bars may overlap, provided that a lap length of 200 mm is allowed. Two fasteners should be used for fixing to each purlin; coated or s.s screws (50 mm min) or galvanized nails (75 mm min) should be used. Or one coated or s.s self-tapping screws (5 mm diameter x 12 mm long) for steel purlins may be used. No rivets should be allowed.

Step 2:

Ensure that profile is concave to achieve pre-stressing on the centre rib. Hook the first roof sheet over the starter bar (as shown in Fig. 1) by holding at an angle of 45° and apply stress in the direction of the arrow while lowering the sheet to ensure a snug fit.

Fix the first sheet in position by hooking the fastening cleat over the male lip and fix it to the purlin with two fasteners (as described above for starter bar).

(Fig. 2) Subsequent sheets are fixed in the same way, using the fixed sheets as platform.

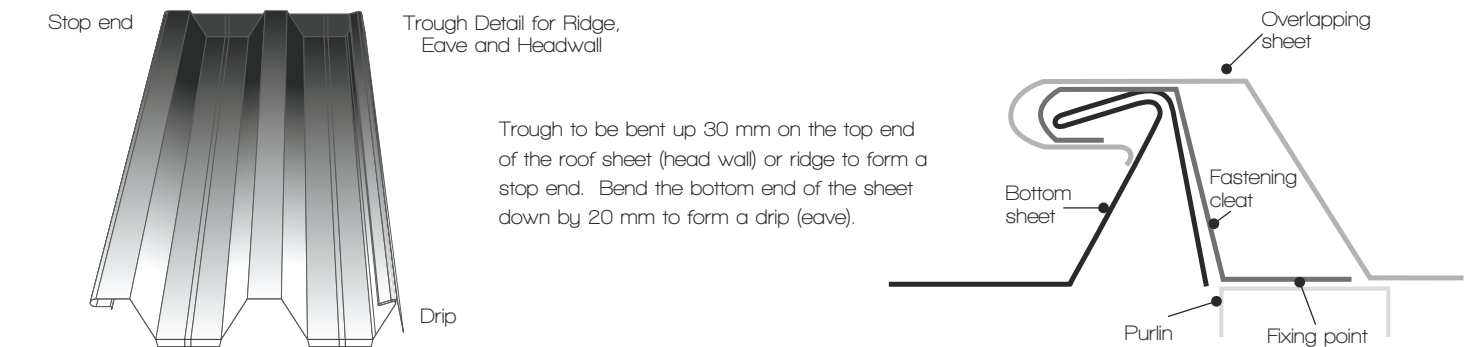
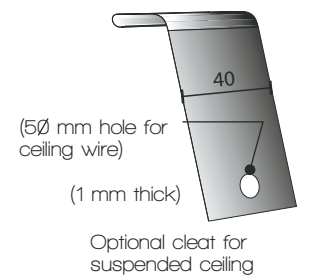
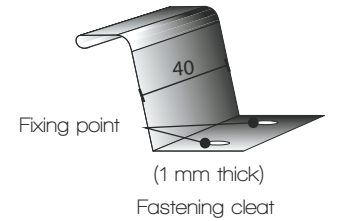
(Fig. 3) Apply even horizontal stress on each sheet before fixing cleats, to ensure proper nesting of the overlap joint.

Note: Hurricane screw. It is recommended that a stainless steel self-tapping screw be used on the overlap of each sheet, at the lower end (eaves) of the sheet.

Trough to be bent up 30 mm on the top end of the roof sheet (head wall) or ridge to form a stop end. Bend the bottom end of the sheet down by 20 mm to form a drip (eave).

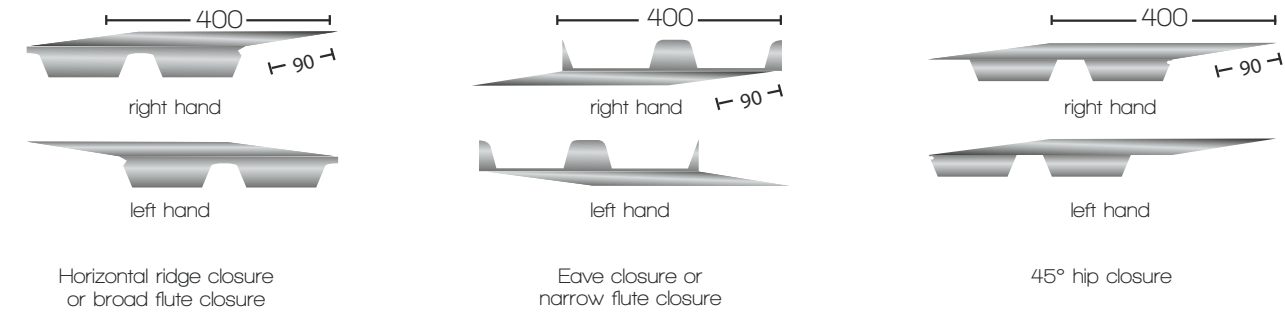
Eave and Ridge Closure

These are standard punched fixtures fitted to a roof laid to the right or to the left and must be ordered as such. The 45° fillet is used in a hipped roof or similar situation.



EAVE AND RIDGE CLOSURE

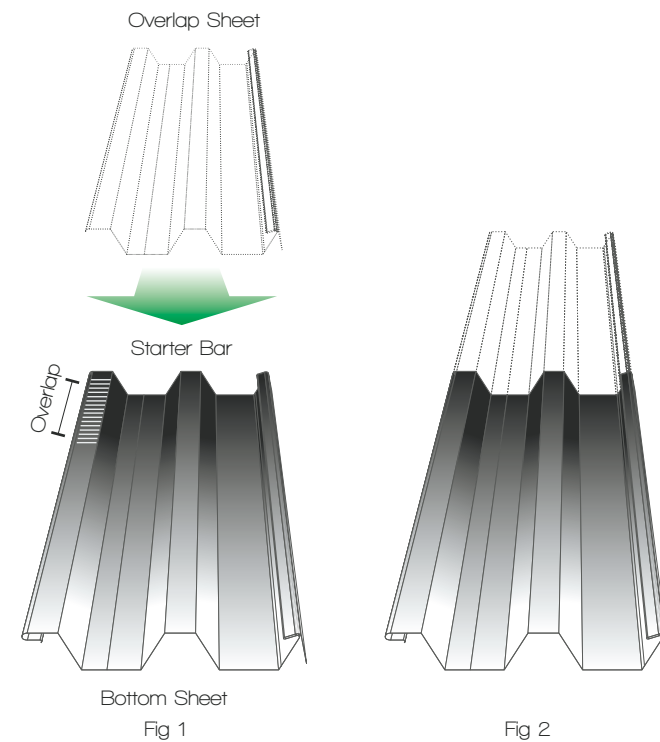
These are standard punched fixtures fitted to a roof laid to the right or to the left and must be ordered as such. The 45° fillet is used in a hipped roof or similar situation.



Overlapping of Craft-Lock® Roof Sheets

In the event of overlapping roof sheets lengthwise, the following procedure is recommended:

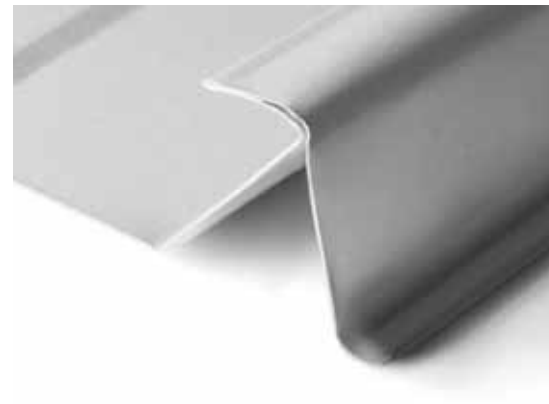
- Lay the bottom sheet first and trim the male lip (Fig.1) to the desired overlap distance.
- Bend the male lip of the overlapping sheet open to receive the trimmed sheet which is slipped hard up to the edge of the trimming. Press the two sheets together, clipping the female lips into each other (Fig.2).
- The lapped sheets are fixed and the following bottom sheet is trimmed and placed into position, repeating the described procedure, in the sequence of first laying the bottom and then the top sheet.



Craft-Lock®

MOBILE UNIT

We have a number of mobile mills that can be deployed to sites all over Africa for on-site roll forming. This eliminates transport limitations of long sheets as sheets can now be profiled on-site to the exact lengths required and thus eliminates the need for end lapping. We have rolled sheets up to 100 m each!



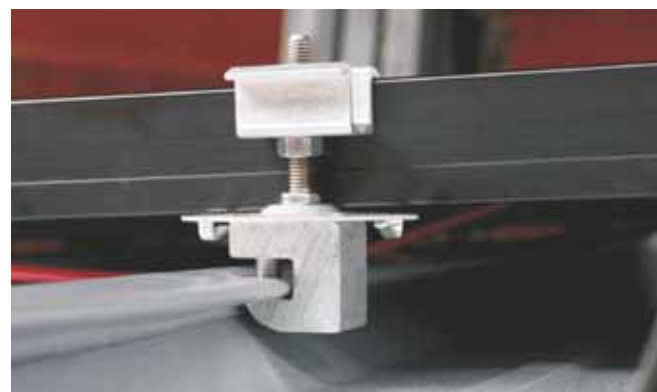
PV IN CONNECTION WITH CRAFT-LOCK®

THE PERFECT SYMBIOSIS WITH THE NEW RTP S5-MINI-CLAMP



RTP S5-Mini-clamps for direct attachment

In the case of PV attachments with the innovative S5 clamp, the PV module is directly attached to the clamp. An extremely rational installation is thus made possible. Adding to this concept, it is furthermore possible to attach a rail system to the RTP S5-Mini-clamp with the aid of an adapter. A floating module installation system will also be available for the S5-Mini-clamp.



JUST IN TIME PRODUCTION



Planning and precision – no delays to your project

On the basis of the close collaboration with our partners in the domain of PV system construction and the outstanding suitability of our profiles, we can guarantee both optimal planning and prompt mounting of the systems – the perfect solution for our customers.

The final work on the roof (in this case the roof capping) can often be carried out at the same time as the start of an installation of the PV system and in parallel.

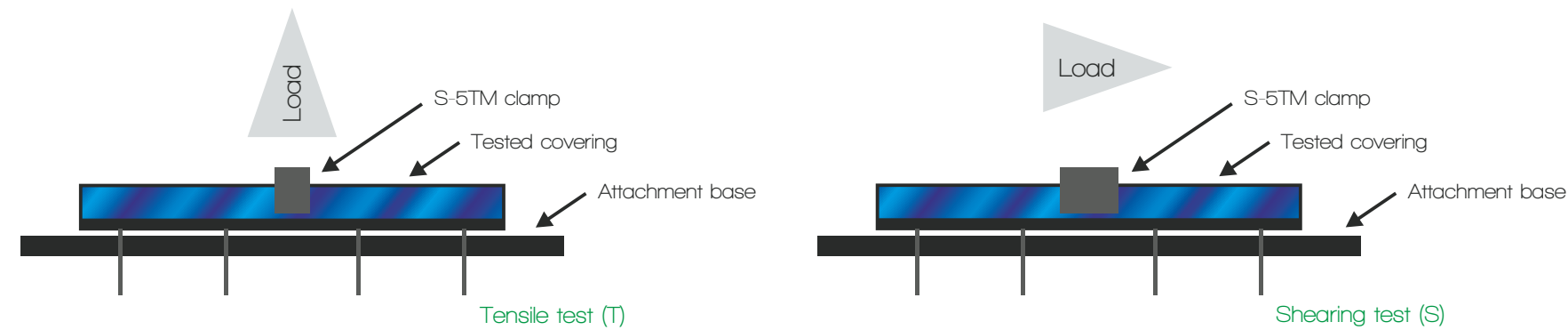


HOLDING FORCE OF THE S5 AND RTP MINI-CLAMP

The holding force of the S5 and RTP mini-clamp has been tested on the Craft-Lock® original profile. This has reaffirmed that the clamp has a holding force which is unrivaled on the market. In order to convey maximal force, it is necessary to tighten the patented grub screw with a torque of 17 Nm. Depending on the type of application, it must be ensured that the forces acting on the clamp are diverted into the supporting and/or base structures.

When planning metal roofs, not only the load from wind and snow, but also the use to which it being put at the time must be taken into consideration. Instead, reserves able to absorb greater loads stemming from a later or an expanded use of the roof, such as photo voltaics, for example, should be planned for.

When in doubt, a stress analyst should be called in to determine the load and how it is to be absorbed.



Test type	S-5TM clamp	Metal manufacturer	Name of product	Type of material	Material thickness	Screw tightness	Failure load	Permitted load
Z	S-5-RTP-Mini	Clotan Steel	Craft-Lock®	Steel	0.58 mm	17.0 Nm	5.25 kN	1.75 kN
S	S-5-RTP-Mini	Clotan Steel	Craft-Lock®	Steel	0.58 mm	17.0 Nm	4.59 kN	2.30 kN



Freestanding solar frames in an unique South African setting.

C-TILE

ROOF SHEETING

Structural guidelines

C-Tile roof sheets are available in a wide range of materials displaying various structural properties.

Available dimensions

C-Tile sheets are available in lengths up to 8 m on request.

Roof pitch

When using C-Tile, the recommended minimum pitch is 17.0°.

Installation procedure

The required number of C-Tile sheets can be calculated as follows:

$$\text{Number of sheets} = \frac{\text{Length of building} + \text{overhangs} - 250 \text{ mm}}{1.040 \text{ m (Cover width of sheet)}}$$

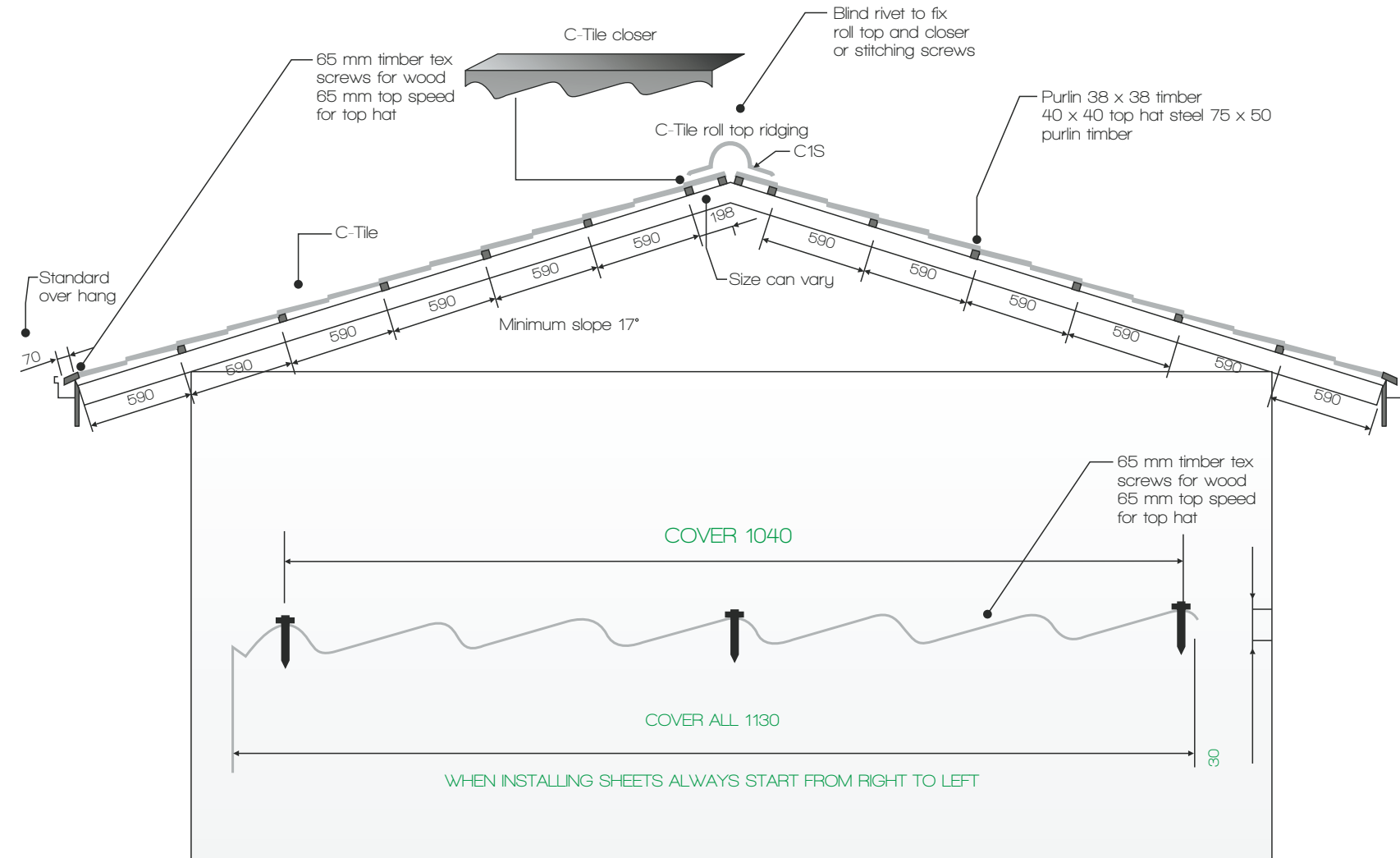
Specification

Clotan Steel C-Tile steel sheeting and accessories with (Chromadek®/Colorbond®/Colorplus®/Zincalume® and ZincAL®) finish on one side and protective primer coating on the reverse side fixed to (timber/steel) purlins or rails with a spacing. All sheeting is to be clearly marked on the reversed side at one metre intervals, indicating thickness, material quality, coating thickness and paint system.



C-TILE

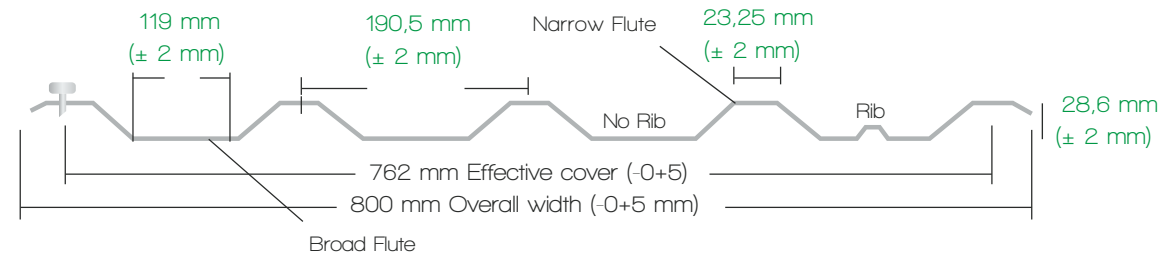
ROOF SHEETING



WIDESPAN

ROOF SHEETING

Widespan is a roofing and cladding profile designed to provide an economic alternative to deeper Box Rib profiles without losing the aesthetic appeal of a square fluted profile. The trapezoidal Widespan profile offers greater spans and lower roof slopes than Corrugated sheeting, but provides the same covering width. Widespan can be factory cranked, curved and bullnosed to various radii depending on customers' requirements.



Structural guidelines

Widespan roof sheets are available in a wide range of materials displaying various structural properties. It should be noted that the load span characteristics are only to be used as a broad guideline as purlin spacing is also dependant on other factors such as the prevailing winds in a certain area, snow during winter periods, the presence of dust and other particles in industrial areas, the type of structure that is being erected, etc. We therefore recommend that an engineer be consulted to determine the purlin spacing for a specific application. The structural properties of the various material options can be summarised as follows:



Recommended maximum purlin spacing (metres) - Widespan

Thickness	0.40 mm	0.47 mm	0.50 mm	0.55 mm	0.58 mm	0.80 mm
Steel Grade	ISQ300	G550	ISQ550	G550	ISQ300	ISQ230
Roof - single span	0.90	1.35	1.35	1.40	1.40	1.60
Roof - double span	1.19	1.55	1.55	1.65	1.65	1.90
Cantilever - roof	0.20	0.40	0.40	0.45	0.45	0.55
Wall - single span	1.25	1.80	1.80	1.95	1.95	2.20
Wall - double span	1.70	2.20	2.20	2.35	2.35	2.75
Cantilever - wall	0.50	0.90	0.90	1.00	1.00	1.15
Weight per metre	2.974 kg	3.495 kg	3.718 kg	4.090 kg	4.313 kg	5.949 kg
Weight per m ²	3.90 kg	4.59 kg	4.88 kg	5.37 kg	5.66 kg	7.81 kg

Table indicates standard stock available. Discuss your individual needs with our sales consultant.



WIDESPAN

SPECIFICATION FOR ERECTION

Specification

*Refer to table indicated below.

(*Thickness & material quality) Clotan Steel Widespan (with/without) integral stiffening rib (Chromadek®/Colorbond®/Colorplus®/Zincalume® and ZincAL®) steel roof sheeting and accessories fixed to (timber/steel) purlins or rails with a (*refer to table) spacing. All sheeting is to be clearly marked on the reverse side at one metre intervals, indicating thickness, material quality and coating thickness.

(*Thickness & material quality) Clotan Steel Widespan (with/without) integral stiffening rib steel sheeting and accessories with (Chromadek®/Colorbond®/Colorplus®/Zincalume® and ZincAL®) finish on one side and protective primer coating on the reverse side fixed to (timber/steel) purlins or rails with a (*refer to table) spacing. All sheeting is to be clearly marked on the reversed side at one metre intervals, indicating thickness, material quality, coating thickness and paint system.

Thickness & material quality	Coating	Available paint system
0.40 mm - ISQ300	Z150 Galvanised	
0.47 mm - ISQ550	Z275 Galvanised	
0.47 mm - G550	AZ150 Zincalume®	
0.50 mm - ISQ550	Z275 Galvanised	
0.50 mm - G550	AZ150 ZincAL®	
0.50 mm - ISQ550	Z200 Galvanised	Chromadek®
0.50 mm - ISQ550	Z275 Galvanised	Chromadek®
0.55 mm - G550	AZ150 Zincalume®	Colorbond®
0.55 mm - G550	AZ150 ZincAL®	Colorplus®
0.58 mm - ISQ300	Z275 Galvanised	
0.58 mm - ISQ300	Z200 Galvanised	Chromadek®
0.58 mm - ISQ300	Z275 Galvanised	Chromadek®
0.80 mm - ISQ230	Z275 Galvanised	
0.80 mm - ISQ230	Z275 Galvanised	Chromadek®



Available dimensions

Widespan sheeting is available in standard lengths of 1.5 to 15 m although lengths of up to 20 m are available on request. The permissible length tolerance for the standard length range will be -0 +5 mm. Sheets outside these parameters are available on request and might be subject to special pricing arrangements. The maximum height which can be transported is 4.3 m. This factor should be taken into account when bullnoses and curves are designed.

Roof pitch

When using Widespan, the recommended minimum pitch is 10.0° for roof slopes in excess of 30 m and 7.5° for slopes less than 30m. When Widespan roof sheets are end-lapped, the roof pitch should be taken into account. The minimum end laps for roofs pitches in excess of 15° is 15 mm and for other roofs a minimum of 250 mm is recommended. End laps for sheeting should be at least 100 mm. It is recommended that end and side laps on low pitched roofs be sealed to ensure water-tightness.

Installation procedure

The required number of Widespan sheets can be calculated as follows:

Number of sheets =

$$\frac{\text{Length of building + gable end overhangs} - 50 \text{ mm}}{0.762 \text{ m (Cover width of sheet)}}$$

Roof sheets must be laid with the narrow flute of one corrugation side lap uppermost and should be fixed through the crests of alternate flutes to purlins using 57 mm Top Speed or Tex screws into steel purlins and 90 mm Tex or Top Speed screws in the case of timber roofs. All fasteners should incorporate 19 mm dia bonded washers. For vertical wall cladding (side cladding) it is recommended that the broad fluted be fixed externally with the main and side lap fasteners in the web of the flutes. Side cladding can be fixed using 25 mm Tex or Top Speed screws. All fasteners should incorporate 19 mm dia bonded washers.

In order to qualify for a guarantee on Zincalume®, Colorbond®, Colorplus® and ZincAL® sheets the following fasteners supplied by Buildex Industries should be used: Metaltex Climased 3 for steel purlins and Timbertex Zacs 4 for timber purlins. The use of these fasteners will dramatically increase the lifespan of the roof sheeting as corrosion caused by fasteners is avoided.

IBR, WIDESPAN AND CORRUGATED SHEETING



CLOTAN STEEL- WITH US GREEN IS A LIFESTYLE

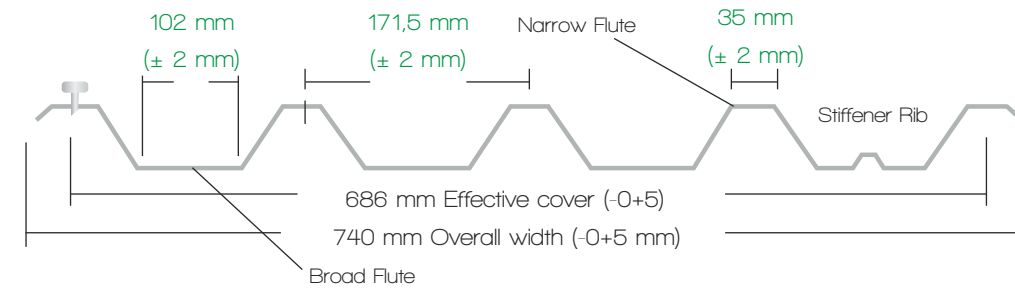


IBR

ROOF SHEETING

IBR sheeting

IBR is a square fluted profile with an effective covering width of 686 mm, designed for use as side cladding or roofing material in commercial, industrial and residential buildings. The name IBR is abbreviated from "Inverted Box Rib" and has become a household name in the South African building industry. The deep, broad flute design offers excellent drainage characteristics combined with optimum weight versus load/span capabilities. IBR can be factory cranked, curved and bullhosed to various radii depending on customers' requirements.



Structural guidelines

IBR roof sheets are available in a wide range of materials, displaying various structural properties. It should be noted that the load span characteristics are only to be used as a broad guideline as purlin spacing is also dependant on other factors such as the prevailing winds in a certain area, snow during winter periods, the presence of dust and other particles in industrial areas, the type of structure that is being erected, etc. We therefore recommend that an engineer be consulted to determine the purlin spacing for a specific application.



IBR

Recommended maximum purlin spacing (metres) - IBR

Thickness	0.40 mm	0.47 mm	0.50 mm	0.55 mm	0.58 mm	0.80 mm
Steel Grade	ISQ300	G550	ISQ550 G550	G550	ISQ300	ISQ230
Roof - single span	1.25	1.65	1.65	1.75	1.75	2.25
Roof - double span	1.40	1.95	1.95	2.10	2.10	2.50
Cantilever - roof	0.20	0.40	0.40	0.45	0.45	0.55
Wall - single span	1.70	2.35	2.35	2.60	2.60	2.95
Wall - double span	1.90	2.75	2.75	2.95	2.95	3.60
Cantilever - wall	0.60	0.90	0.90	1.00	1.00	1.15
Weight per metre	2.974 kg	3.495 kg	3.718 kg	4.090 kg	4.313 kg	5.949 kg
Weight per m ²	4.34 kg	5.09 kg	5.42 kg	5.96 kg	6.29 kg	8.67 kg

Table indicates standard stock available. Discuss your individual needs with our sales consultant.

Available dimensions

IBR sheeting is available in standard lengths of 1.5 to 14 m, although lengths of up to 20 m are available on request. The permissible length tolerance for the standard length range will be -0 +5 mm. Sheets outside these parameters are available on request and might be subject to special pricing arrangements. The maximum height which can be transported is 4,3 m. This factor should be taken into account when bullnoses and curves are designed.

Roof pitch

When using IBR, the recommended minimum pitch is 7.5° for roof slopes in excess of 30 m and 5° for slopes less than 30 m. When IBR roof sheets are end-lapped the roof pitch should be taken into account. The minimum end laps for roof pitches in excess of 15° is 150 mm and for other roofs a minimum of 250 mm is recommended. End laps for side sheeting should be at least 100 mm. It is recommended that end and side laps on low pitch roofs be sealed to ensure water tightness.



Installation procedure

The required number of IBR sheets can be calculated as follows:

$$\text{Number of sheets} = \frac{\text{Length of building} + \text{gable end overhangs} - 70 \text{ mm}}{0.686 \text{ m (Cover width of sheet)}}$$

Roof sheets must be laid with the narrow flute of one corrugation side lap uppermost and should be fixed through the crests of alternate flutes to purlins using 65 mm Top Speed or Tex screws into steel purlins and 90 mm Tex or Top Speed screws in the case of timber roofs. All fasteners should incorporate 26 mm dia bonded washers.

For vertical wall cladding (side cladding) it is recommended that the broad fluted be fixed externally with the main and side lap fasteners in the web of the flutes. Side cladding can be fixed using 25 mm Tex or Top Speed screws. All fasteners should incorporate 26 mm dia bonded washers.

In order to qualify for a guarantee on Zinalume®, Colorbond®, Colorplus® and ZincAL® sheets the following fasteners supplied by Buildex Industries should be used: Metaltex Climaseal 3 for steel purlins and Timbertex Zacs 4 for timber purlins. The use of these fasteners will dramatically increase the lifespan of the roof sheeting as corrosion caused by fasteners is avoided.



IBR

SPECIFICATION FOR ERECTION

Specification

*Refer to table indicated below.

(*Thickness and material quality) Clotan Steel IBR (with/without) integral stiffening rib (Chromadek®/Colorbond®/Colorplus®/Zincalume® and ZincAL®) steel roof sheeting and accessories fixed to (timber/steel) purlins or rails with a (*refer to table) spacing. All sheeting is to be clearly marked on the reverse side at one metre intervals indicating thickness, material quality and coating thickness.

(*Thickness and material quality) Clotan Steel IBR (with/without) integral stiffening rib steel roof sheeting and accessories with (Chromadek®/Colorbond®/Colorplus®/Zincalume® and ZincAL®) finish on one side and protective primer coating on the reverse side fixed to (timber/steel) purlins or rails with a (*refer to table) spacing. All sheeting is to be clearly marked on the reverse side at one metre intervals indicating thickness, material quality, coating thickness and paint system.

Thickness & material quality	Coating	Available paint system
0.40 mm - ISQ300	Z150 Galvanised	
0.47 mm - ISQ550	Z275 Galvanised	
0.47 mm - G550	AZ150 Zincalume®	
0.50 mm - ISQ550	Z275 Galvanised	
0.50 mm - G550	AZ150 ZincAL®	
0.50 mm - ISQ550	Z200 Galvanised	Chromadek®
0.50 mm - ISQ550	Z275 Galvanised	Chromadek®
0.55 mm - G550	AZ150 Zincalume®	Colorbond®
0.55 mm - G550	AZ150 ZincAL®	Colorplus®
0.58 mm - ISQ300	Z275 Galvanised	
0.58 mm - ISQ300	Z200 Galvanised	Chromadek®
0.58 mm - ISQ300	Z275 Galvanised	Chromadek®
0.80 mm - ISQ230	Z275 Galvanised	
0.80 mm - ISQ230	Z275 Galvanised	Chromadek®



Available dimensions

IBR sheeting is available in standard lengths of 1.5 to 14 m, although lengths of up to 20 m are available on request. The permissible length tolerance for the standard length range will be -0 +5 mm. Sheets outside these parameters are available on request and might be subject to special pricing arrangements. The maximum height which can be transported is 4,3 m. This factor should be taken into account when bullnoses and curves are designed.

Roof pitch

When using IBR, the recommended minimum pitch is 7.5° for roof slopes in excess of 30 m and 5° for slopes less than 30 m. When IBR roof sheets are end-lapped the roof pitch should be taken into account. The minimum end laps for roof pitches in excess of 15° is 150 mm and for other roofs a minimum of 250 mm is recommended. End laps for side sheeting should be at least 100 mm. It is recommended that end and side laps on low pitch roofs be sealed to ensure water tightness.

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