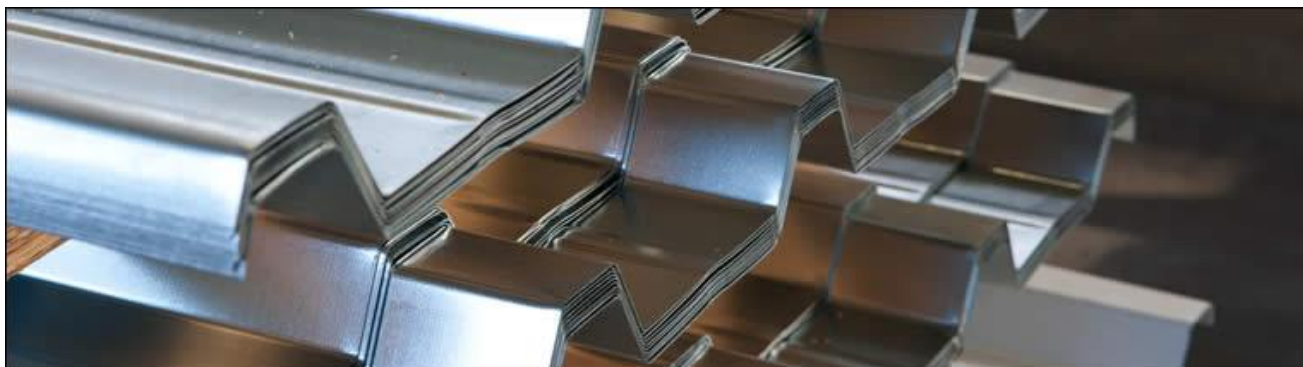


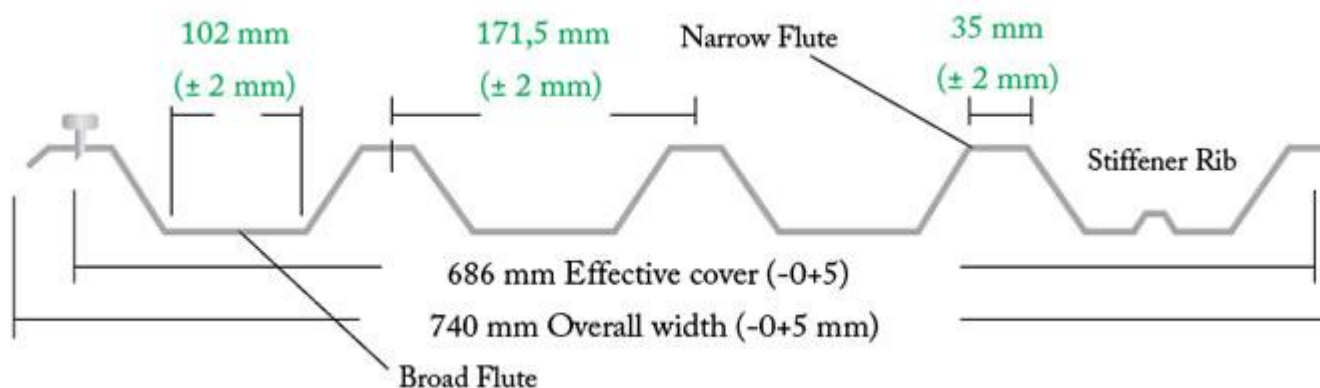
IBR ROOF SHEETING



We supply IBR Roof Sheetting for large construction projects. Talk to one of our sales consultants about [pricing options on IBR Sheetting](#).

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 bullnosed to various radii depending on customer’s requirements.

CALL US TODAY FOR MORE INFO ON OUR IBR SHEETING



RECOMMENDED MAXIMUM PURLIN SPACING (METRES) – IBR

Thickness Steel Grade	0.40 mm ISQ550	0.47 mm G550	0.50 mm ISQ550 G550	0.55 mm G550	0.58 mm ISQ300
Roof - single span	1.25	1.65	1.65	1.75	1.75
Roof - double span	1.40	1.95	1.95	2.10	2.10

Thickness Steel Grade	0.40 mm ISQ550	0.47 mm G550	0.50 mm ISQ550 G550	0.55 mm G550	0.58 mm ISQ300
Cantilever - roof	0.20	0.40	0.40	0.45	0.45
Wall - single span	1.70	2.35	2.35	2.60	2.60
Wall - double span	1.90	2.75	2.75	2.95	2.95
Cantilever - wall	0.60	0.90	0.90	100	100
Weight per metre	2.897 kg	3.194 kg	3.615 kg	3.833 kg	4.197 kg
Weight per m2	4.223 kg	4.655 kg	5.269 kg	5.587 kg	6.118 kg

Table indicates standard stock available.

GET IN TOUCH WITH US FOR A QUOTE



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

LET CLOTAN STEEL TAKE CARE OF THE IBR SHEETING INSTALLATION. CALL US TODAY.

THE REQUIRED NUMBER OF IBR SHEETS CAN BE CALCULATED AS FOLLOWS:



Number of sheets = Length of building + gable end overhangs – 70 mm

0.686 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 and Colorbond® 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.

SPECIFICATION

Specification (*refer to table indicated below)

(*Thickness and material quality) Clotan Steel IBR (with/without) integral stiffening rib (Chromadek®/Colorbond®/Colorplus®) 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 (*zinc coating) steel roof sheeting and accessories with (Chromadek®/Colorbond®) 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. [View the pre-painted color options.](#)

Thickness & Material Quality	Coating	Available Paint System
0.40 mm – ISQ550	Z150 Galvanised	
0.47 mm - ISQ550	Z150 Galvanised	
0.47 mm - ISQ550	Z275 Galvanised	
0.50 mm - ISQ550	Z275 Galvanised	
0.58 mm - ISQ300	Z275 Galvanised	
0.80 mm - ISQ230	Z275 Galvanised	
0.50 mm - ISQ550	Z200 Galvanised	Chromadek®
0.58 mm - ISQ300	Z200 Galvanised	Chromadek®
0.80 mm - ISQ230	Z200 Galvanised	Chromadek®
0.47 mm - G550	AZ150 Zinalume	
0.55 mm - G550	AZ150 Zinalume	Colorbond®
0.50 mm - G550	AZ150 ZincAL®	
0.55 mm - G550	AZ150 ZincAL®	Colorplus®