



GRS

GLOBAL ROOFING SOLUTIONS



IBR
686/890

Brownbuilt
HH Robertson



Typical specification

Materials

The roofing/side cladding shall be the **IBR 686** profile in 0.5mm, 0.58mm or 0.8mm with a galvanised finish of Z275 or with a Globalcoat™ finish to one or two sides.

The roofing/side cladding shall be the **IBR 890** profile in 0.5mm or 0.58mm with a galvanised finish of Z275 or with a Globalcoat™ finish to one or two sides.

IBR shall be obtained from Global Roofing Solutions - Brownbuilt, telephone (011) 898 2900, HH Robertson, telephone (011) 392 9800.

The Profile

IBR 890

The profile shall have six trapezoidal ribs at 178 mm centres giving a nett cover of 890mm with each pan incorporating one stiffener rib. The rib height shall be 37mm.

IBR 686

The profile shall have six trapezoidal ribs at 171.5 mm centres giving a nett cover of 686mm with one stiffener rib in each pan optional. The rib height shall be 37mm.

Assembly

The **IBR** sheeting shall be laid in strict accordance with the manufacturer's specification.

Site handling

IBR sheets should be supported clear of the ground and kept well ventilated under cover until required to be installed.

Cleaning up

The complete roof must be cleaned of all debris before handing over.

Quality assurance

The manufacturer shall be assessed and certified as complying with ISO 9001:2000 Quality Management System.

Sheet lengths

IBR is available in sheet lengths limited only by transport restrictions, normal loads 12.5m, with special transport arrangements lengths up to 18.6m can be delivered.

Flashings

Available in thicknesses of 0.58mm / 0.8mm commercial quality steel, 0.8mm / 0.9mm Aluminium and 0.6mm 55% Aluminium-Zinc Alloy coated steel. Stainless steel is available on request.

Cranking

IBR 890 can be cranked from a minimum radius of 450mm up to 800mm. **IBR 686** can be cranked from a minimum radius of 409mm up to 600mm.

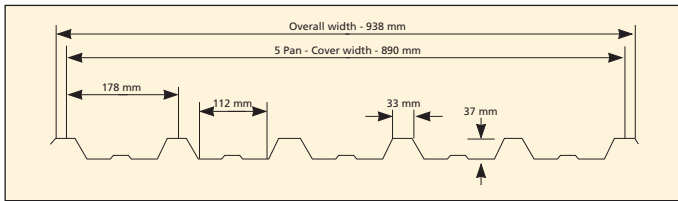
Curving

IBR can be curved to any radius greater than 800mm for **IBR 890** and 600mm for **IBR 686** subject to transportation limits.

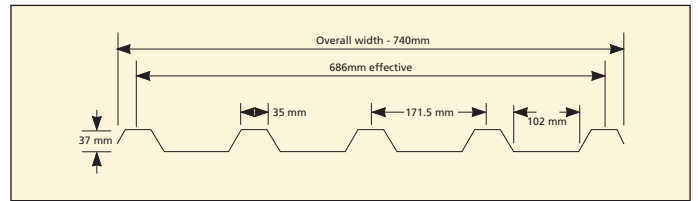
Roof pitch

IBR may be used at a minimum roof pitch of 5° for sheet lengths up to 20m. A minimum of 7.5° is required for sheet lengths greater than 30m. For both conditions end laps must be sealed with an approved sealing strip.

IBR 890



IBR 686



IBR 890 & 686

Maximum Allowable Support Spacings (mm)								
TYPE OF SPAN	GALVANISED IBR 890		GALVANISED IBR 686			55% Aluminum-Zinc Alloy coated Coated Steel (Applies to IBR890)		
	0.5 mm ISQ 550(3T)	0.58 mm ISQ 550(3T)	0.5 mm ISQ 550	0.58 mm ISQ 300	0.8 mm ISQ230	0.47 mm G550	0.53 mm G550	
Roofs								
Single Span	1800	2000	1550	1750	2250	1800	2000	
End Span	2100	2300	1700	1800	2300	2000	2300	
Internal Span	2200	2600	1800	2100	2500	2100	2600	
Cantilever	270	300	350	450	550	270	300	
Walls								
Single Span	2400	2500	2400	2600	2950	2400	2500	
End Span	2900	3100	2500	2700	3000	2900	3100	
Internal Span	3100	3400	2750	2950	3600	3100	3400	
Cantilever	1100	1200	850	1000	1150	1100	1200	
Normal mass kg/m ²	5.42	6.28	5.42	6.28	8.66	4.92	5.75	

Loading in accordance with SABS 0160

Assembly - Roof

NOTE: Main fasteners:
 65 mm LG Topspeed screws to be used for steel purlins
 90 mm LG Topspeed screws to be used for timber purlins
 26 mm dia Bonded washers to be used for roof Main fasteners

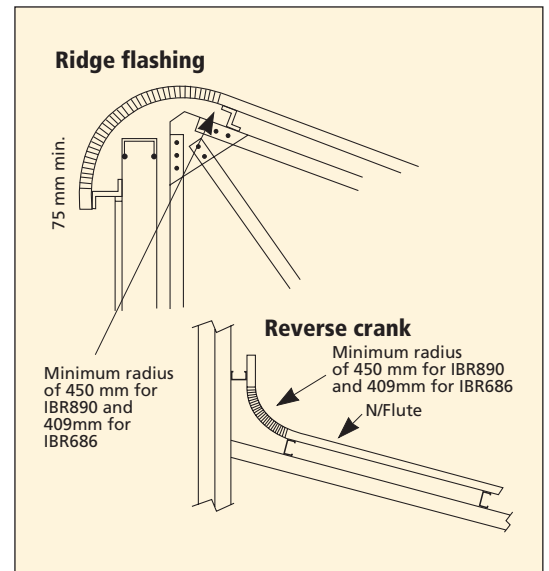
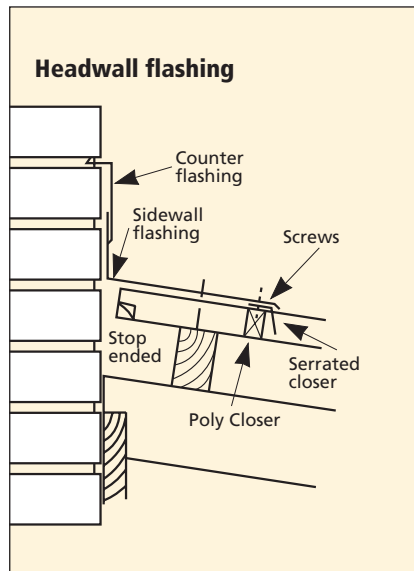
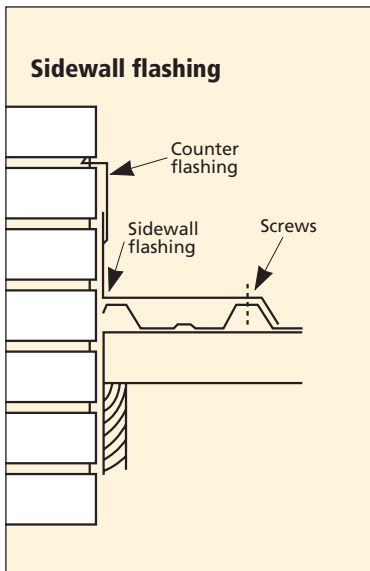
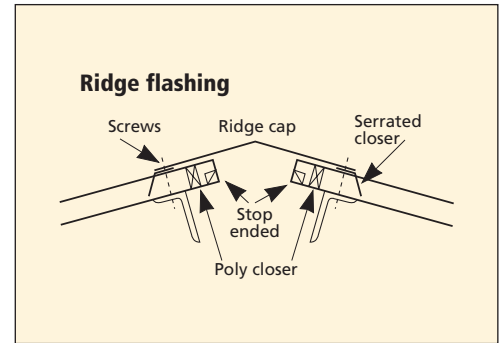
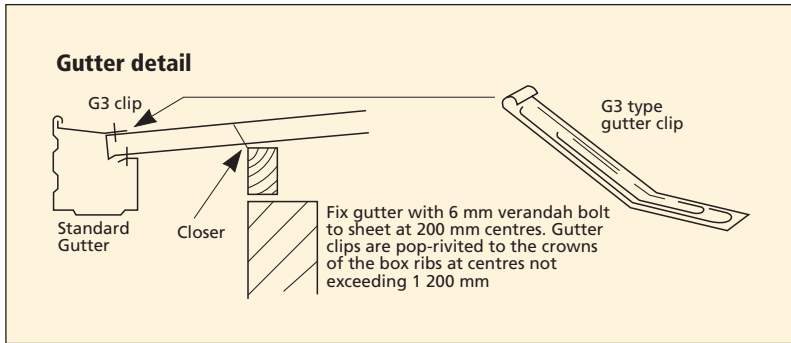
Side lap fasteners:
 25 mm Lg Topspeed screws to be used for side lap stitching
 19 mm dia bonded washers to be used for side lap stitching

NOTE: Fasteners must be selected to match the life expectancy of the roofing material. Fasteners complying with AS3566 Class 3 should be used in conjunction with 55% Aluminium-Zinc Alloy coated steel

Assembly - Side Cladding

NOTE: Main fasteners:
 25 mm LG Topspeed screws to be used for steel purlins
 65 mm LG Topspeed screws to be used for timber purlins
 18 mm LG Bonded washers to be used

Side lap fasteners:
 25 mm Lg Topspeed screws to be used for side lap stitching
 19 mm dia bonded washers to be used for side lap stitching



ALSO AVAILABLE IN

- 0.47mm and 0.53mm 55% Aluminium-Zinc Alloy coated steel and pre-painted Globalcoat™ finish for one/two sides.
- 0.7mm, 0.8mm and 0.9mm Aluminium mill finish and pre-painted with Hulett Aluminium's Colourtech system.
- Polycarbonate 1.25mm clear/tinted.



GRS
GLOBAL ROOFING SOLUTIONS



Reg.No: 324314QM



Reg No: LS0139

Global Roofing Solutions Corporate:

Head Office: Tel: +27 11 570 4600 Fax: +27 11 974 5683
Brownbuilt: Tel: +27 11 898 2900 Fax: +27 11 892 1455
HHRobertson Tel: +27 11 392 9800 Fax: +27 11 392 2230

Global Roofing Solutions Branches:

Cape Town Tel: (021) 521 1900 Fax: (021) 556 6936
Durban Tel: (031) 700 1414 Fax: (031) 700 1455
East London Tel: (043) 731 2530 Fax: (043) 731 1795
Bloemfontein Tel: (051) 432 3724/6 Fax: (051) 432 3723

www.global-roofing-solutions.co.za