

GRS IBR 890 (Supa-Clad)

# Global Roofing Solutions IBR 890 / Supa-Clad

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GRS IBR 890 / Supa-Clad



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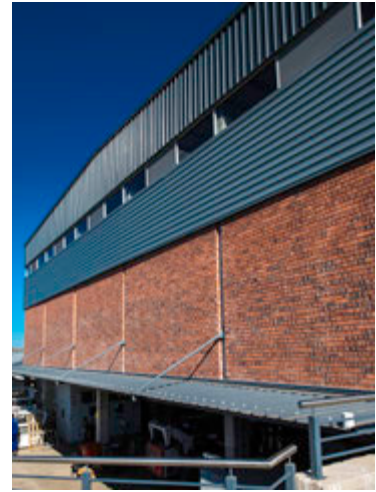
# Typical Specification

## Materials

### IBR 890 / Supa-Clad

The roofing / side cladding shall be IBR 890 / Supa-Clad profile, in one of the materials in the table below. IBR 890 / Supa-Clad is obtained from Global Roofing Solutions.

Material	Steel	Colour One Side	Colour Two Side
Galvanised Z275	ISQ 550	—————	—————
Chromadek® Z200		✓	Special
Zincalume® AZ150	G550	—————	—————
Clean COLORBOND™ AZ150		✓	Special
ZincAL® AZ150	G550	—————	—————
COLORPLUS® AZ150		✓	Special



### The Profile

#### IBR 890 / Supa-Clad

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

#### Assembly

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

#### Sheet Length

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

### Roof Pitch

IBR may be used at a minimum roof pitch of 5° for rafter lengths up to 30m. A minimum of 7.5° is required for rafter lengths greater than 30m. Where possible, the max distance between top and bottom rows of fasteners should not exceed 24m for crest fixing and 15m for valley / pan fixing, after which an expansion joint (step lap) is recommended. For all conditions, end laps must be sealed with an approved sealing strip.

#### Flashings

Stop endings must be formed at the apex to form a dam and the pan turned down to form a drip. The roof sheeting shall be closed as necessary with purpose-made flashings and polyclosures, where necessary.

#### Cranking

IBR 890 / Supa-Clad can be cranked from a minimum radius of 450mm for material thicknesses of 0.47mm, 0.5mm, 0.53mm, 0.58mm and 0.8mm.

### Curving

IBR 890 / Supa-Clad can be cranked curved to any radius greater than 800mm subject to transportation limits.

#### Site Handling

IBR sheets should be suitably supported clear of the ground under well-ventilated cover, away from risk of damage by building operations, contact with cement, dust, lime and abrasive dust, until required to be installed.

#### Cleaning Up

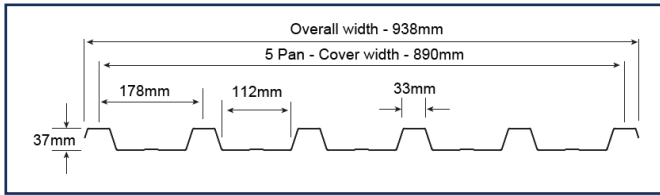
The complete roof must be kept clean and free of any swarf and debris.

#### Quality Assurance

The manufacturer shall be assessed and certified as complying with ISO 9001:2015 Quality Management System.

# Profile: IBR 890 / Supa-Clad

## IBR 890 / Supa-Clad



**IBR 890 / Supa-Clad Maximum Allowable Support Spacings (mm)**

Type of Span	0.47mm 550 MPa	0.5mm 550 MPa	0.53mm 550 MPa	0.58mm 550 MPa
<b>Roofs</b>				
Single Span	1.800m	1.800m	2.000m	2.000m
End Span	2.000m	2.100m	2.300m	2.300m
Internal Span	2.100m	2.200m	2.600m	2.600m
Cantilever	0.270m	0.270m	0.300m	0.300m
<b>Walls</b>				
Single Span	2.400m	2.400m	2.500m	2.500m
End Span	2.900m	2.900m	3.100m	3.100m
Internal Span	3.100m	3.100m	3.400m	3.400m
Cantilever	1.100m	1.100m	1.200m	1.200m
Nominal mass kg/m <sup>2</sup>	4.92	5.42	5.75	6.28

Available in Galvanised, Zinalume®, Zinal® and Chromadek®, Colorbond™, Colorplus®  
 - Spans don't apply to natural sprung sheets. Consult GRS Technical Department.  
 - Spans for timber purlins to be in accordance with SANS 10400

### Loading

Purlin support centres are based on the following design criteria and obtained through testing:

Roofs – Ultimate super-imposed distributed load of 1,50 kN/m<sup>2</sup> and ultimate uplift load of 1,60 kN/m<sup>2</sup>.

Walls – Ultimate super-imposed distributed load of 0,75 kN/m<sup>2</sup>.



### Note

Fasteners must be selected to match the life expectancy of the roofing and cladding material. The coating class for fasteners, complying with SANS 1273, should be used in conjunction with all roofing and cladding material. For a full range of compatible fasteners, please refer to the GRS Installation Manual.

