

IBR PROFILE

A pierced-fixed Inverted Box Rib sheet well suited for both roofing and cladding applications, manufactured from SA's most trusted steel brands.



SAMPLE SPECIFICATION

Marley 0.5mm thick, Z200 Chromadek Charcoal IBR profiled roof sheeting, fixed to intermediate coated steel purlins at 1800mm centres and to ridge and eaves purlins at 1550mm centres, with #12 x 65mm Marley Approved metal fasteners at every alternative flute, at intermediate purlins and at every flute at eave purlins.

Side laps to be stitched at 600mm centres between purlins with a #14 x 22mm metal stitching fastener, in accordance with manufacturer's specification.

The sheeting shall be Marley IBR type profile as manufactured by Marley Roofing. The profile shall have 5 trapezoidal ribs at 171mm centres with an effective net cover width of 686mm. The rib height shall be 36.5mm and shall be laid and fixed in accordance with the manufacturer's specification.



FIXING GUIDE

Marley IBR is pierce fixed to timber or steel supports, by means of driving the fasteners perpendicular to the sheeting and through the centres of each rib. Side laps to be stitched at 600mm centres and every rib to be fixed at the eaves, ridges and the apex of the roof. Side and end laps must be sealed (in accordance with SANS10400-L:2020) with an approved sealing strip.

IMPORTANT NOTES!

During side cladding installation, orientate sheets in a single direction, as this may impact visual aesthetics. The direction of the "dot matrix" black print that appears on the back side of the sheet, can be used as an orientational guideline for installers.

At regular intervals, during and after installation, the roof must be kept clean and free of all swarf, pop rivets and unused fasteners or any other debris that could increase the risk of damage, corrosion and discolouration.

Marley IBR Sheets must be stored away from any risks that could cause damage to the sheets, such as building operations, contact with cement, dust, lime and abrasive dust. Sheets must be well supported, clear of the ground and protected by a well-ventilated cover.

Marley Roofing cannot accept liability for scratches, corrosion or other damage to the material sustained during transport to, or storage at the building site, as well as during and after installation.

FASTENERS	ROOF	SIDE CLADDING
Steel	#12 - 14 x 65mm hex head metal fastener + EPDM seal	#12 - 14 x 25mm hex head metal fastener + EPDM seal
Timber	#12 - 11 x 85mm hex head timber fastener + EPDM seal	N/A
FLASHINGS & SIDE STITCHING	ROOF	SIDE CLADDING
Steel	#14 - 14 x 22mm metal stitching fastener + EPDM seal	
Timber		

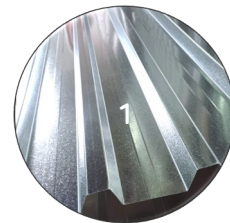
GAUGES: 0.47mm, 0.5mm

MATERIAL OPTIONS:

1. Z150 GLAV (Mittal - 0.47)
2. Z150 CHARCOAL CHROMADEK (Mittal 0.47)
3. AZ150 THUNDERSTORM COLOURPLUS (Safal 0.47)
4. Z200 CHARCOAL CHROMADEK (Mittal 0.5)

NEED A DIFFERENT GAUGE OR MATERIAL OPTION?

We will source whatever your requirements - subject to availability. Please contact your Marley Representative for pricing and lead times.



Colours above are indicative - please view physical sample for accurate colour expression.

DIMENSIONAL TOLERANCES

Length tolerance of -0mm to +10mm and width tolerance of +5mm is allowed for straight sheets only.

ROOF PITCH AND LENGTHS

The minimum roof pitch for sheets shorter than 15m is 5°, and for sheets longer than 15m is 7.5°. Due to transport limitations, sheets can be ordered in any length up to 13m.

IMPORTANT NOTE ON FASTNERS & HOLES MADE

Ensure that the correct class of fasteners are used for the application and life expectancy of the roofing and cladding material. Make sure fasteners are washed and inspected for signs of corrosion. Replace if they show signs of failure and rust. Fasteners and other holes made should be properly sealed to prevent moisture ingress that could accelerate corrosion.

IMPORTANT NOTE ON MATERIAL COMPATIBILITY

In all cases where other metal and alloy materials may have contact with Marley IBR Sheet, the use of an isolation tape, that is placed in between these two surfaces, is recommended to prevent bimetallic corrosion. Supporting structural members should also be coated to avoid problems with underside condensation. If in doubt, please refer to the respective Mittal and Safal Metal Technical Datasheets.

PURLIN SPACINGS

Purlin spacings are dependent on both downward loading and negative suction loading caused by wind. An engineer should be consulted to calculate the load (kN/m²) for your particular application. Below represents maximum allowable support spacings.

Gauge (mm)	0.47	0.5
Material	Galvanized, Colorplus, Chromadek	
Roofs	mm	mm
Single span	1550	1550
End span	1700	1700
Internal span	1800	1800
Cantilever	350	350
Walls	mm	mm
End span	2500	2500
Internal span	2750	2750
Cantilever	850	850
Approximate mass (kg/m ²)	5.00	5.3