Global Roofing Solutions

Nu-Rib™

ROOFING LIKE NO OTHER

Talk to THE SMART ROOF PEOPLE
www.globalroofs.co.za
marketing@globalroofs.co.za
Typical Specification

Materials
The roofing / side cladding shall be Nu-Rib profile, in one of the materials in the table below. Nu-Rib is obtained from Global Roofing Solutions.

<table>
<thead>
<tr>
<th>Material</th>
<th>Steel</th>
<th>Colour One Side</th>
<th>Colour Two Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>Galvanised Z275</td>
<td>ISQ 550 for 0.5mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ISQ 300 for 0.58mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ISQ 230 for 0.8mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chromadek® Z200</td>
<td>G550</td>
<td></td>
<td>Special</td>
</tr>
<tr>
<td>Zincalume® AZ150</td>
<td>G550</td>
<td></td>
<td>Special</td>
</tr>
<tr>
<td>Clean COLORBOND™ AZ150</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZincAL® AZ150</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COLORPLUS® AZ150</td>
<td></td>
<td></td>
<td>Special</td>
</tr>
</tbody>
</table>

The Profile
The profile shall have five trapezoidal ribs at 190.5mm centres, providing a nett cover of 762mm with one stiffener rib in each pan. The rib height shall be 28.6mm. We do not recommend Nu-Rib be rolled without a stiffener rib in the pan due to the possibility of oil canning.

Embossing
Nu-Rib sheeting can be embossed for thicknesses not less than 0.5mm. Embossing provides a quality textured finish to the sheet and reduces glare, minimises potentially unsightly oil canning and enhances the appearance of a metal clad building. High yield materials (ISQ 550 and G550) are available lightly embossed.

Assembly
The Nu-Rib sheeting shall be laid in strict accordance with the manufacturer’s specification.

Sheet length
Nu-Rib is available in sheet lengths limited only by transport restrictions, with normal loads being 12.5m. With special transport arrangements, lengths of up to 18.6m can be delivered.

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.

Roof pitch
Nu-Rib may be used at a minimum roof pitch of 7.5° for rafter lengths up to 30m. A minimum of 10° is required for rafter lengths greater than 30m. Where possible, the maximum 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.

Cranking
Nu-Rib can be cranked from a minimum radius of 450mm.

Curving
Nu-Rib can be curved to any radius greater than 800mm subject to transportation limits.

Site Handling
Nu-Rib 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: Nu-Rib™

Nu-Rib Maximum Allowable Support Spacings (mm)

<table>
<thead>
<tr>
<th>Type of Span</th>
<th>GALVANISED / CHROMADEK®</th>
<th>ZINCALUME® / COLORBOND™</th>
<th>ZINCAL® / COLORPLUS®</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.5mm ISQ550 (3T)</td>
<td>0.8mm ISQ300</td>
<td>0.47mm G550</td>
</tr>
<tr>
<td></td>
<td>0.5mm ISQ230</td>
<td>0.53mm G550</td>
<td>0.5mm G550</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.55mm G550</td>
<td>0.55mm G550</td>
</tr>
<tr>
<td>Roofs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single Span</td>
<td>1.300m</td>
<td>1.400m</td>
<td>1.300m</td>
</tr>
<tr>
<td>Internal Span</td>
<td>1.550m</td>
<td>1.650m</td>
<td>1.550m</td>
</tr>
<tr>
<td>Cantilever</td>
<td>0.400m</td>
<td>0.450m</td>
<td>0.400m</td>
</tr>
<tr>
<td></td>
<td>1.600m</td>
<td>1.900m</td>
<td>1.550m</td>
</tr>
<tr>
<td></td>
<td>0.550m</td>
<td>0.450m</td>
<td>0.450m</td>
</tr>
<tr>
<td></td>
<td>1.800m</td>
<td>2.200m</td>
<td>1.800m</td>
</tr>
<tr>
<td>Walls</td>
<td>2.200m</td>
<td>2.750m</td>
<td>2.200m</td>
</tr>
<tr>
<td>Internal Span</td>
<td>0.900m</td>
<td>1.000m</td>
<td>0.900m</td>
</tr>
<tr>
<td>Cantilever</td>
<td>1.000m</td>
<td>1.150m</td>
<td>1.000m</td>
</tr>
<tr>
<td></td>
<td>2.200m</td>
<td>2.350m</td>
<td>2.200m</td>
</tr>
<tr>
<td></td>
<td>1.950m</td>
<td>2.350m</td>
<td>1.950m</td>
</tr>
<tr>
<td></td>
<td>1.800m</td>
<td>1.950m</td>
<td>1.800m</td>
</tr>
<tr>
<td>Normal Mass kg/m²</td>
<td>4.9</td>
<td>5.7</td>
<td>7.8</td>
</tr>
</tbody>
</table>

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.
Available in 0.58mm / 0.8mm thick galvanised Z275 steel, 0.53mm thick Zincalume® AZ150 or 0.55mm thick ZincAL® AZ150. Or with a colour option Chromadek® (Galvanised Z200), Clean COLORBOND™ (Zincalume® AZ150) or COLORPLUS® (ZincAL® AZ150) finish to one / two sides.

Please visit our website or contact GRS for standard flashing details.

Isando
Tel: +27 (0) 11 898 2900

Cape Town
Tel: +27 (0) 21 521 1900

Durban
Tel: +27 (0) 31 538 0940

Port Elizabeth
Tel: +27 (0) 41 486 1280

East London
Tel: +27 (0) 43 731 1826

Bloemfontein
Tel: +27 (0) 51 432 3724

Nelspruit
Tel: +27 (0) 13 492 0746/7

Polokwane
Tel: +27 (0) 15 293 0313

Pretoria
Tel: +27 (0) 14 596 6121

Rustenburg
Tel: +27 (0) 51 352 1657

Upington
Tel: +27 (0) 61 263 856

Exports
Tel: +27 (0) 11 898 2900

Botswana
Tel: +267 (002) 310 576/2

Ghana
Tel: +267 (002) 61 263 890

Lesotho
Tel: +267 (002) 22 312 24

Namibia
Tel: +267 (002) 22 312 24

Zambia
Tel: +266 (002) 96 749 5541

Zimbabwe
Tel: +263 (002) 477 4699

Blind rivets to every alternate Narrow flute (N/F)

Reverse Crank
Minimum Radius of 450mm

End Lap
230°

Side Lap
Stitching Screw

Bend up/Stop end

Polystrip Sealer
dust proofing only