



**GRS**

GLOBAL ROOFING SOLUTIONS

Brownbuilt | HH Robertson

# Leaders in **World-Class** Roofing Cladding Decking

Delivering the **Exceptional**

Award-Winning  
Manufacturer

Design, Architectural &  
Technical Expertise

Strategically located Branches  
Multiple Approved Nationwide Contractors

# THE WORLD OF GLOBAL ROOFING SOLUTIONS

**Global Roofing Solutions** provides innovative solutions for all your roofing, cladding and decking requirements.

Drawing on extensive experience in the marketplace, GRS is taking roofing into the future with continued research and development through our in-house laboratories and testing facilities.

We have become one of the biggest independent metal roofing suppliers in the Southern African region with a proud footprint of 11 branches across South Africa, Botswana and Namibia.

Our extensive design and architectural expertise, assist Developers, Architects, Quantity Surveyors, Engineers and Contractors in making the best possible decisions for their projects. With exports to over 20 countries worldwide we have established ourselves as a trusted, global supplier of roofing products.

## Capabilities & Facilities

- Roll forming and pressing capacity in excess of 4000 tons per month.
- Continuous research and development.
- Numerous static roll forming mills producing several million square metres of sheeting per annum.
- 14 mobile roll forming mills for on-site roll forming of long length sheets.
- Extensive design and architectural experience to assist Developers, Architects, Quantity Surveyors, Engineers and Contractors with their projects.

## Comprehensive Product Range

Our roofing products are available in various materials supplied by ArcelorMittal® SA's Galvanised and Chromadek®, Bluescope®, Steel's Zinalume® and Colorbond®, AZ coated material, Safal®, Steel's ZincAl® and Colorplus®, Aluminium and Color-Tech G4, Stainless Steel, Translucent and Polycarbonate sheeting.

Material finishes:

- Chromadek®
- Clean Colorbond®
- Colorplus®
- Global-Duro™ (corrosion-resistant coating)
- Color-Tech G4
- Embossing

## Vision

*"To provide total roofing solutions to the global marketplace."*

## Mission Statement

*"To manufacture and market products that meet and exceed the quality and performance required on the world market."*

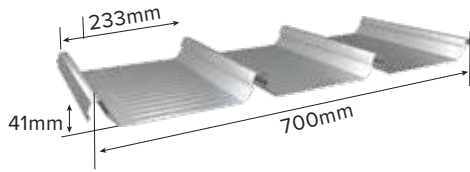
## Certificates & Memberships

- ISO 9001:2015 - certification for Quality Management
- SAMCRA – South African Metal Cladding and Roofing Association
- SAISC – Southern Africa Institute of Steel Construction
- SAIA – The South African Institute of Architects



# GRS PRODUCT RANGE

## CONCEALED FIX SHEETING

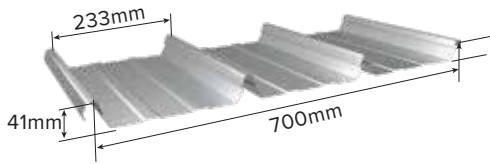


### Klip-Tite™

Klip-Tite™ is a new generation concealed fix roof sheeting. It is similar to Klip-Lok 700™ but offers wind uplift capabilities that are superior to any other Concealed Fix sheeting in South Africa.

The introduction of transverse stiffeners in lieu of the traditional longitudinal pan stiffeners form structural members, spanning across the width of the pan. The deflection of the pan is thus reduced, increasing the wind uplift resistance of the sheet. These transverse pan stiffeners are a first in the South African sheeting market.

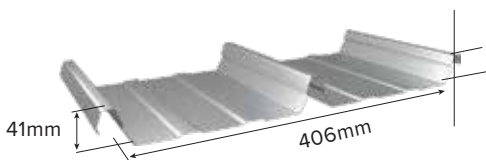
Longer lengths can be milled on-site, eliminating end laps which are not recommended.



### Klip-Lok 700™

Klip-Lok 700™ is similar to Klip-Lok 406™, just wider. This sheet is even faster to install, yielding greater savings. It is manufactured from certified high yield steel which makes it lighter and stronger.

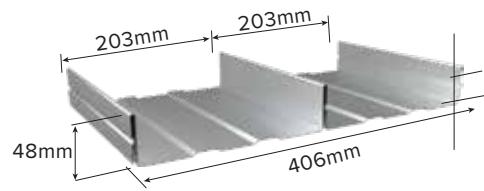
Longer lengths can be milled on-site, eliminating end laps, which are not recommended.



### Klip-Lok 406™

Klip-Lok 406™ is a concealed fix profile with unique double interlocking side laps making it a very fast to install roof sheet. It is manufactured from certified high yield steel or special grade aluminium which makes it lighter and stronger. This profile is ideally suited to low roof pitches.

Longer lengths can be milled on-site, eliminating end laps which are not recommended.

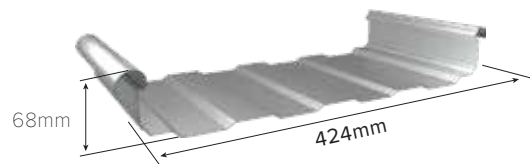


### Brownbuilt™

Brownbuilt™ is the first concealed fix roofing profile in South Africa, introduced in 1964 by Brownbuilt Metal Sections.

This classic, well-known concealed fix sheeting system is available upon request and also for site-rolling in neighbouring countries (subject to minimum order quantities).

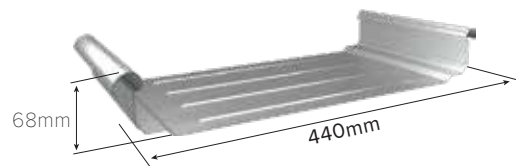
It is frequently used as underslung/ceiling sheets on fuel station canopies.



### Zip-Tek 420™

Zip-Tek 420™ is a unique concealed fix system commonly known as a standing seam system. This is one of the only concealed fix systems where the sheet can be tapered as well as smooth curved. It is also the only concealed system that can be reverse curved.

Longer lengths can be milled on-site, eliminating end laps which are not recommended.



### Zip-Tek 440™

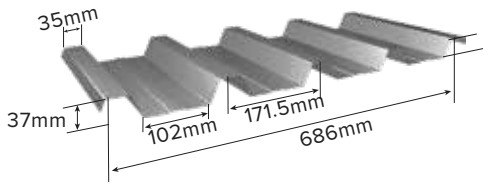
Similar to Zip-Tek 420™, Zip-Tek 440™ is wider and incorporates transverse stiffener ribs.

Zip-Tek 440™ is available for exports only to SADC and African countries.

There aren't many concealed fix profiles available for site rolling in Africa. However, GRS' mobile mill solution easily resolves this problem.

*Translucent sheets for profiles are available on request.*

## PIERCED FIX SHEETING

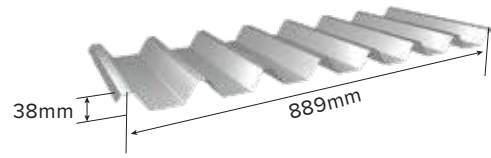


### IBR 686

The trapezoidal flute design of the IBR 686 offers the optimum strength, mass and loadspan characteristics compared to alternative profiles.

The IBR (Inverted Box Rib) has a square fluted profile used for roofing or cladding.

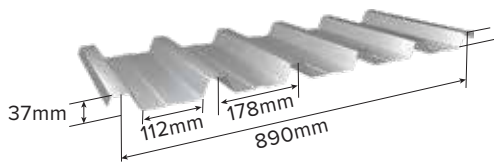
It is available in transportable lengths and fixed by securing a screw through the narrow flute when used as roofing.



### BR7

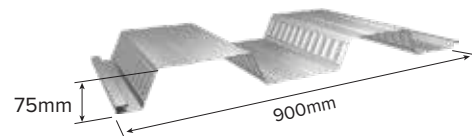
BR7 was designed to provide more effective utilisation of aluminium with its span vs. economics element. BR7 can also be manufactured in steel.

It is available in transportable lengths and fixed by securing a screw through the narrow flute when used as roofing.



### IBR 890 (Supa-Clad)

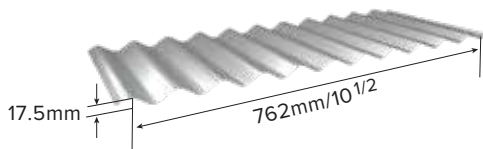
The wide span trapezoidal of the IBR 890 provides the choice of wider cover and more effective installation saving on purlins and labour.



### Bond-Dek™

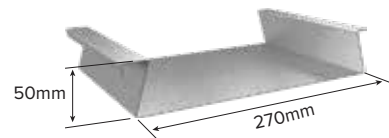
Bond-Dek™ is an economical permanent formwork / shuttering system that with concrete acts as a composite floor slab. This system eliminates the requirement for reinforcing steel.

Bond-Dek™ panels act as formwork for wet concrete and reinforcing for the slab.



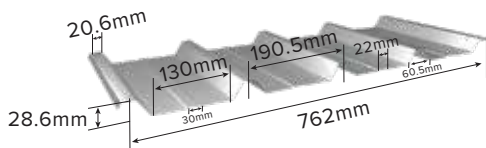
### Corrugated 10.5

The Corrugated profile has a tranquil appearance, is relatively light, easy to handle and provides an economical coverage per unit mass.



### Bond-Lok™

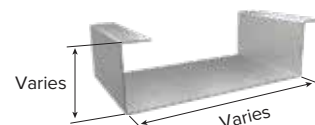
Bond-Lok™ is a permanent formwork / shuttering that with concrete acts as a composite floor slab with an attractive flat ceiling on the underside. This system significantly reduces the number of props utilised and eliminates the need for reinforcing steel. Installation is extremely quick for a further saving in labour cost.



### Nu-Rib™

Nu-Rib™ effectively bridges the gap between Corrugated and the standard IBR 686 box ribbed profile.

It is available in transportable lengths and fixed through a narrow rib with a fastener to the supporting structure. This profile is mostly used as side cladding.



### QC Flooring™

QC Flooring™ is a composite steel and concrete slab system with a neat ceiling which is either pre-painted or ready for painting underside. It provides added flexibility in that the cover width may be customised to suit the floor design.

# GRS PRODUCT RANGE



Ventilators | Louvres | Flashings  
Industrial Rain Water Goods

## Ventilators

Our Helm natural smoke and heat exhaust ventilation systems are designed to extract smoke from the interior of a building through automatically operable roof-mounted ventilators.

### Features

- Natural day-to-day ventilation
- Natural smoke exhaust in case of fire
- No fan power consumption required
- Compliance with the EN 12101-2
- CE certified for all the options

### Smoke & Fire Ventilation Products

- Helm Orion Multipurpose Ventilator
- Helm Automatic Release Ventilator
- Helm Multi-Purpose Ventilation (Mark III)
- Helm Automated Wall Louvre - Vertical Mounted
- Aries Ventilator - Vertical Mounted

### Natural Ventilation Products

- Helm Ridge & Slope Mounted Ventilators
- Helm Fixed & Adjustable and Triangular Louvres
- Helm Continuline Louvre – without visible mullions

## Louvres

Our Helm louvres are designed to operate in conjunction with either mechanically powered or natural ventilators to replace hot stale air in desired areas. Fixed louvres provide permanent ventilation whereas adjustable louvres can be set to deliver a variable amount of air.

All units are available in Galvanised, Zinc-Aluminium, Stainless Steel and Pre-painted material. On request Aluminium can be used to manufacture certain products.

## Flashings

Standard flashings are manufactured for all roofing profiles in different thicknesses, materials and finishes. Special configurations of flashings can be manufactured to client's specifications. All various curved flashings are manufactured to suit different curved sheet designs.

## Industrial Rainwater Goods

Our extensive range of industrial rainwater goods includes standard gutters, downpipes and accessories. All industrial rainwater goods can be manufactured from Hot Rolled, Galvanized, Aluminium, Stainless Steel, Zinc-Aluminium and Pre-painted material. An embossed finish is also available.

Custom made gutters can be designed and manufactured to suit the customer's specific project needs. Gutters are attached to the eaves of a roof and are designed to channel water away from the foundation.

## ROOF WALKWAYS

### Fibreglass Walkways

Combining unmatched corrosion resistance with strength, long life and safety, Fibergrate® Composite Structures Inc. sets the standard for FRP (fibreglass reinforced plastic) moulded products. Fibergrate® products are lightweight and easy to fabricate.

### Aluminium Walkways

Protect your roof sheeting against damage by installing roof grip systems. Modern aluminium alloys ensure this product will add years to the useful life span of your roof.

## Features

- Control access to the roof space
- Reduces damage to the roof sheeting
- Creates safe access when working at heights
- Elements Include: Light Weight | Anti-Slip | Corrosion Resistant | Durable

## SUN HARVESTER / SUNGAZER

Installed on the roof the Sungazer harvests sunlight to deliver full-spectrum natural light to the inside of the building.

It provides significant electrical energy savings as electrical lights can be switched off during the day. The interface can be managed by connecting a daylight monitor to switch off electric lights when the required light levels are reached.

The Sungazer maintains a stationary, collimated beam of light throughout the day. The standard lens can be substituted with custom-designed lenses to provide unlimited design possibilities.

The perspex dome incorporates fresnel shapes that curve natural light into the building. The air gap between the dome and lens acts as an insulator while the perspex dome blocks UV rays, reducing UV penetration to a minimum. The high level of light-harvesting and light distribution efficiencies provide natural light into the building and require less surface area compared to traditional single-skin polycarbonate in-plane skylights.

## ACCESSORIES

### Rib Caps

Where the slope of the roof is such that the sheet can't be sprung over the ridge, it's possible to cut the ribs of the concealed fix profile allowing the pans to be bent over the purlin. The open ribs are then closed with rib caps set in an approved sealer.

Various rib caps are available to accommodate different roof slopes from 150° to 90°, in steps of ± 5°.

### PVC Clamps

This structural clamping component manufactured from aluminium is suited to fit the Concealed fix profiles. The clamp will include hardware manufactured from stainless steel.

The PV clamp has a non-abrasive clamping action and is compatible with most common coated roofing materials except copper. The clamps are available in assembly options to suit various rail-mounted PV systems.



# GRS VALUE ADDED SERVICES

## DESIGN & CONSULTING SERVICES

GRS goes the extra mile to provide our customers with roofing solutions that guarantee satisfaction. With over 100 years of combined industry experience, our team of Technical Project Specialists provides solutions and advice in all aspects of metal roofing. With our extensive design and architectural expertise we are able to assist Developers, Architects, Quantity Surveyors, Engineers and Contractors in making the best possible decision for projects.

As an added feature GRS' online Spec-Wizard allows our customers to select a product with filter prompts to compile their specification. Once complete they are able to submit the specification request and receive confirmation and bundled data PDFs via email.

## BULLNOSING, CRANKING & CURVING

GRS has introduced state-of-the-art machinery to provide accurate bullnosing, cranking and curving of the sheeting to suit the most stringent requirements of architects and specifiers. Not only does GRS have a static cranking machine but we also have a mobile cranking machine for on-site rolling of long length sheets. These details add to the aesthetics of many buildings countrywide. Our experts will assist in the design of the details to suit your building.

## EMBOSSING

Embossing is a unique stucco pattern which is rolled into the metal substrate, enhancing the final product. GRS has been manufacturing metal roofing and flooring materials in a unique embossed finish for many years.

Independent studies have proven that embossed material has a 20% higher yield strength than that of plain material for steel. This offers a more rigid sheeting profile with improved trafficability during and after erection.

### The following profiles can be embossed:

- IBR 686
- Corrugated
- Nu-Rib™, BR7
- Brownbuilt™ 406
- Klip-Lok™
- Klip-Tite™
- Zip-Tek™
- QC Flooring™

## ON-SITE ROLLING / MOBILE MILLS

GRS' industry-known mobile mill solutions are purpose-built factories on wheels that shorten lead times and reduce costs to the customer. These fully contained mills incorporate our vast experience and expertise combined with the latest available technology. The concept of producing long length sheets on-site with a mobile mill was introduced by GRS in 1977.

The Brownbuilt™ profile mobile mill was a first in South Africa. Since then GRS found ways to launch improved mobile manufacturing facilities. Our fleet of mobile mills is state-of-the-art with the fully self-contained production equipment designed to produce at any location.



Johannesburg:	☎	+27 11 898 2900
Cape Town:	☎	+27 21 521 1900
Bloemfontein:	☎	+27 51 432 3724
Durban:	☎	+27 31 538 0940
East London:	☎	+27 43 731 1895
Nelspruit:	☎	+27 13 492 0746/7
Polokwane:	☎	+27 15 293 0313/4
Rustenburg:	☎	+27 14 596 6121
Upington:	☎	+27 54 332 1657
Exports:	☎	+27 11 898 2900
Botswana:	☎	+267 310 5761/2
Namibia:	☎	+264 61 263 890



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[www.globalroofs.co.za](http://www.globalroofs.co.za)

✉ [marketing@globalroofs.co.za](mailto:marketing@globalroofs.co.za)