

GRS Corporate

ROOFING LIKE NO OTHER



GRS

GLOBAL ROOFING SOLUTIONS

Brownbuilt | HH Robertson

Delivering the *Exceptional*



marketing@globalroofs.co.za

www.globalroofs.co.za

GRS Provides Complete Roofing Solutions

Global Roofing Solutions consists of two leading South African roofing brands, Brownbuilt Metal Sections (established in 1964) and HH Robertson (established in 1958), making it one of the largest metal roofing and roofing accessory manufacturers in South Africa.

Both Brownbuilt and HH Robertson are household names for the manufacture of commercial and industrial steel roof covering and wall cladding profiles (concealed fix and pierced fix) and composite steel floor decking profiles.

With exports to over 20 countries worldwide, GRS has established itself as a global supplier of roofing products. Through its broad and established South African manufacturing base, the company is committed to expanding its supply to the SA construction sector and throughout Africa.

Capabilities and 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 quantity surveyors, contractors and architects with projects.

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

Helm Manufacturing Ingenuity Certification

- H-ARV and H-AWL have been tested to BSEN12101-2:2017 and EN Compliant.
- The Orion Ventilator is CE certified and complies with EN 12101-2:2003.

World Class Products

The roofing products supplied by GRS are available in various materials: Galvanised Steel, Zinalume®, Super-Galum®, ZincAL®, Stainless Steel, Aluminium, Copper (on special request), Polycarbonate and other composite materials with a variety of coloured and textured finishes such as:

- Embossing
- Chromadek®
- Clean COLORBOND™
- Global-Dura
- Colorplus®
- Global-Duro™ (corrosion resistant coating)

Ventilators, Louvres, Flashings and Industrial Rainwater Goods

Helm Manufacturing Ingenuity is a division of Global Roofing Solutions that produces Ventilators, Louvres, Flashings, and Industrial Rainwater Goods.

Helm Ventilators

Natural Ventilation:

- Ridge Vents (H-RV)
- Slope Mounted Vents (H-SV)
- Fixed & Adjustable and Triangular Louvres
- Continuline Louvre – without visible mullions

Smoke Ventilation:

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

All designed to automatically provide maximum exhaust area under fire conditions, while providing a fully weathered unit in its normally closed position.

Accessories:

- Helm Industrial Rainwater Goods
- Helm Standard Flashings (for all sheeting profiles)
- All curved flashings to suit curved sheets
- Sungazer Sun Harvester

Sole Manufacturer of VENTCO products



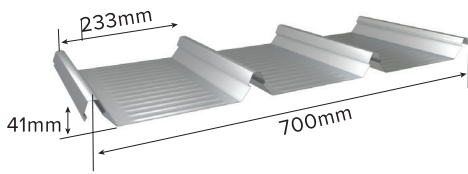
MISSION STATEMENT

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

MANUFACTURING & QUALITY POLICY

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

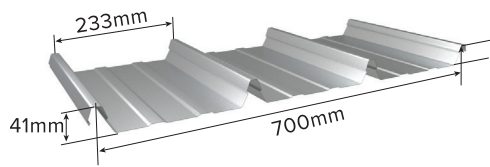
Concealed Fix Roofing Profiles



Klip-Tite™

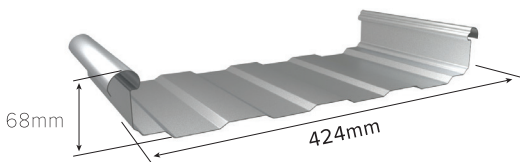
Similar to Klip-Lok 700™ but with increased wind uplift resistance. The introduction of transverse stiffeners, in lieu of the traditional longitudinal pan stiffeners, form structural members spanning across the width of the pan. The deflection of the pan is thus reduced, increasing the wind uplift resistance of the sheet. These transverse pan stiffeners are a first in the South African sheeting market.

Site-rolling is available.



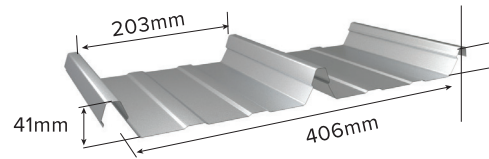
Klip-Lok 700™

Similar to Klip-Lok 406™ but wider. This sheet is even faster to install, yielding greater savings. This profile is ideally suited to low roof pitches. Manufactured from certified high yield steel, making it lighter and stronger. Site-rolling is available.



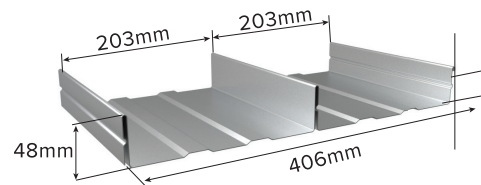
Zip-Tek 420™

This unique concealed fix system is 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.



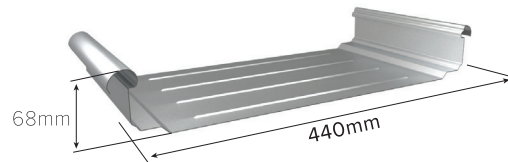
Klip-Lok 406™

A concealed fix profile with unique double interlocking side laps makes this a very fast installing roof sheet. This profile is ideally suited to low roof pitches. Manufactured from certified high yield steel or special grade aluminium making it lighter and stronger. Site-rolling is available.



Brownbuilt™

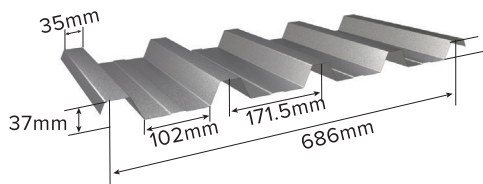
This classic, well-known concealed fix sheeting system is available upon request and also for site-rolling in neighbouring countries (subject to minimum order quantities). It is frequently used as underslung/ceiling sheets on fuel station canopies.



Zip-Tek 440™

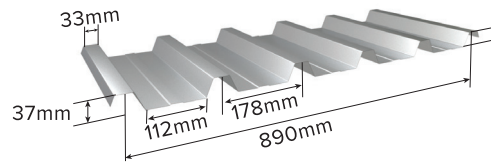
Similar to Zip-Tek 420™ but wider. It incorporates transverse stiffener ribs. Please note that Zip-Tek 440™ is only available for exports, SADC and African countries.

Pierced Fix Roofing and Cladding Profiles



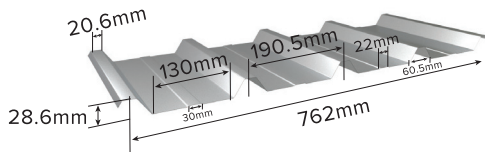
IBR 686

The trapezoidal flute design still offers the optimum strength, mass and load-span characteristics compared to alternative profiles.



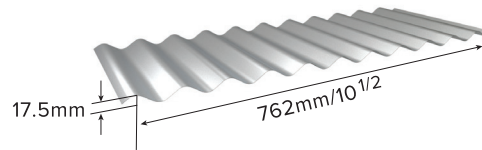
IBR 890 (Supa-Clad)

This wide span trapezoidal profile provides the choice of wider cover and more effective installation, saving on purlins and labour.



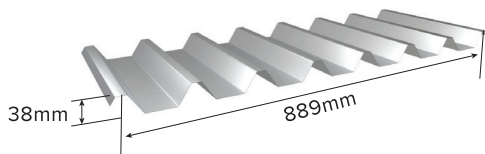
Nu-Rib™

Effectively bridges the gap between Corrugated and the standard IBR 686 box ribbed profile.



Corrugated 10.5

Corrugated 10.5 has a tranquil appearance, is relatively light, easy to handle and provides an economical coverage per unit mass.



BR7

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



Total Roofing Solutions From GRS

Ventilation

Ventilators can be manufactured in both standard and custom sizes. The Ventilators are designed to operate as either Natural Ventilation or Smoke Ventilation, with the option of replacing hot stale air with either a fusible link or a mechanically operated unit.

Louvres

Adjustable Louvres can be set to deliver variable amounts of air depending on the day's climatic conditions, whereas fixed Louvres provide permanent ventilation. The Automatic Wall Louvre is also available with a fusible link only or mechanical option.

Flashings

Standard flashings and curves are available in a variety of thicknesses, materials, and finishes to fit all roofing profiles. Within certain constraints, special configurations of flashings can be manufactured to clients' specifications.

Industrial Rainwater Goods

Gutters, downpipes, and accessories are among the standard and custom-made Industrial Rainwater Goods.

Additional Services

Design and Consulting Services

The extensive design and architectural experience of the GRS team assist specifiers with product choice and technical advice.

GRS can also assist with technical advice with regards to the roof design and produce a material cutting list too.

Bullnosing, Cranking and Curving

GRS has introduced state-of-the-art machinery to provide accurate bullnosing, cranking and curving of sheeting to suit the most stringent requirements of architects and specifiers. These details enhance the aesthetics of many buildings across the country, and our experts will assist you in designing 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 plain material for steel, thus offering a more rigid sheeting profile with improved trafficability during and after erection.

The following profiles can be embossed:

Klip-Tite™, Klip-Lok 700™, Klip-Lok 406™, Brownbuilt™, Zip-Tek™, IBR 686, Corrugated, Nu-Rib™, BR7 and QC Flooring.

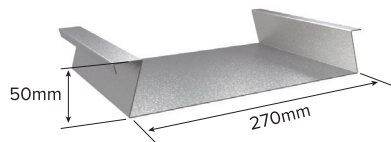
On-site Rolling/Mobile Mill

Concealed fixed roof sheeting profiles eliminate the need for piercing the roof sheets, thereby dramatically reducing the probability of roof leakage. By supplying these profiles in continuous lengths, no end lapping is required, and the possibility of leakage is further eliminated.

Long-length sheets can be rolled on-site using GRS mobile mills. The mobile mills in the GRS fleet are the most sophisticated of their kind in Africa. These fully contained, purpose-built factories on wheels, incorporate GRS' vast experience and expertise combined with the latest available technology.

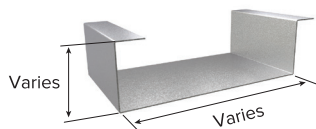


Permanent Formwork Product Range



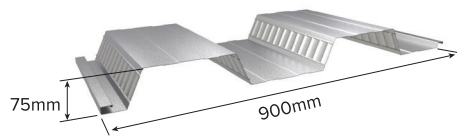
Bond-Lok™

A permanent formwork/shuttering which, 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.



QC Flooring™

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



Bond-Dek™

An economical permanent formwork/shuttering which, with concrete acts as a composite floor slab. This system eliminates the requirement for reinforcing steel. This profile is able to span 3m unsupported under wet concrete thus saving on props. Installation is extremely quick, for a further saving in labour cost.

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



Delivering the **Exceptional**

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