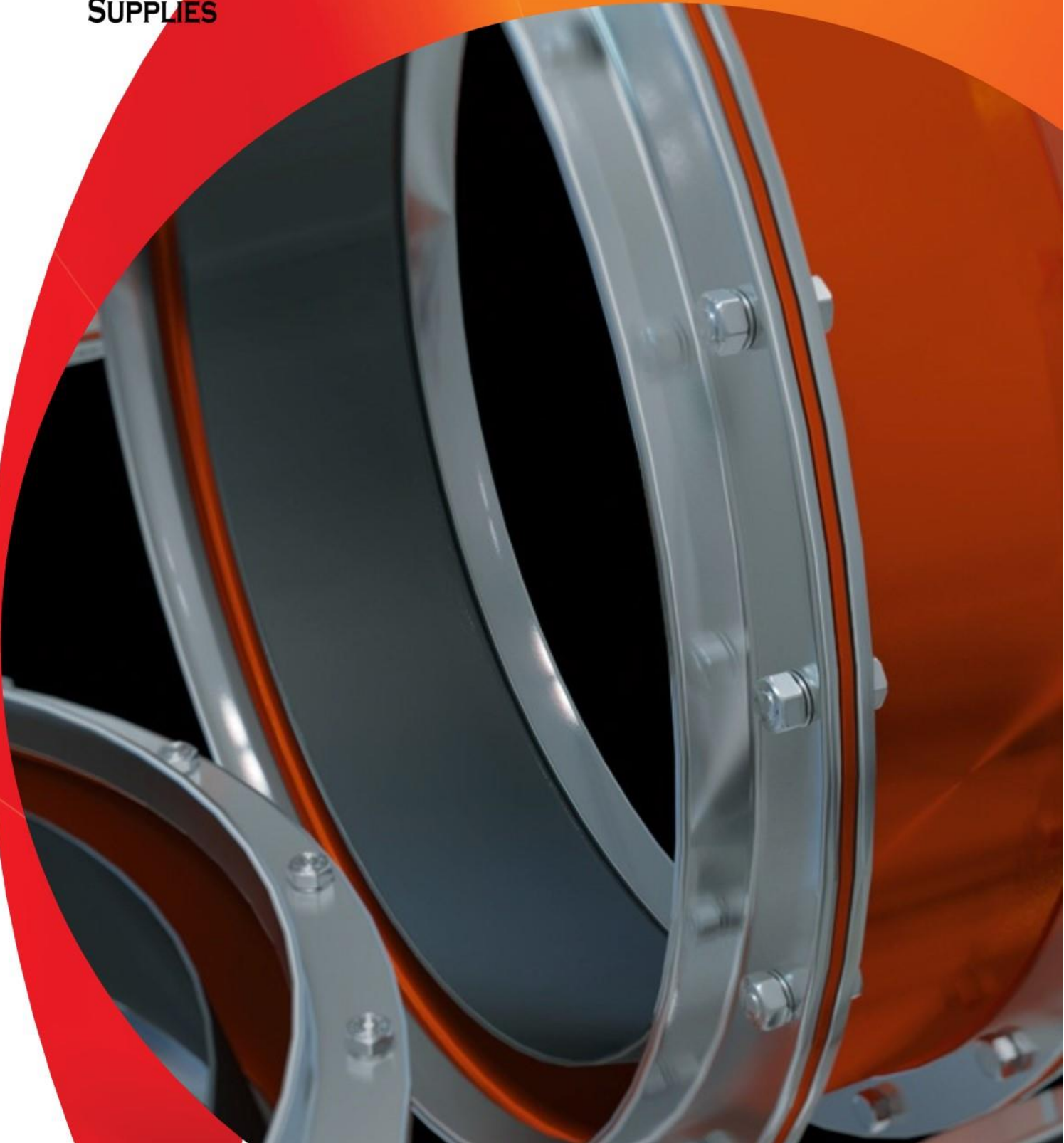




FAWKES

THERMAL MANUFACTURING &
SUPPLIES



Fawkes Thermal Manufacturing (Pty) LTD was established in 2020, after the founding team noticed that there was a large gap in the thermal insulation market. This market lacked a supplier to supply a product that is both quality thermal insulation and affordable.

Our organisation was built on the vision that Fawkes Thermal Manufacturing (Pty) LTD would not only grow the Thermal Insulation Market, but also to ensure that our clients are offered the best product to suit their requirements and can source it from the fairest and most cost-effective supplier without compromising quality and service.

Our manufacturing sector thrives on being a proudly South African brand. All our Expansion Joints, Thermal Insulation Jackets, Fire Blankets, High Temperature Sealing and Boiler Joint Gaskets are made in South Africa.

COMPANY PROFILE

Quality Thermal Insulation

The Thermal Insulation market is a very vast industry. We are able to assist in every sector. From providing Loading Chutes to the cement industry, to providing roof insulation to the building industries and supplying refractory cements to line furnaces, we endeavor to find the solution to any Thermal Insulation Problem.

Whilst we supply to a large array of industries, below are a few that we supply to:

- Marine
- Smelters
- Cement Plants
- Power Generation
- Pulp & Paper Plants
- Refineries
- Boiler Manufacturers
- Fan Manufacturers
- Steel Mills
- Agricultural
- Petrochemical

Contact us:

Email:

sales@fawkesthermal.co.za

Website:

www.fawkesthermal.co.za

Address:

39 Sekelbos Street,

Mayberry Park,

Alberton

“... Our manufacturing sector thrives on being a proudly South African brand....”

PRODUCT RANGE

Below is a list of all the products supplied and manufactured by Fawkes Thermal Manufacturing & Supplies:

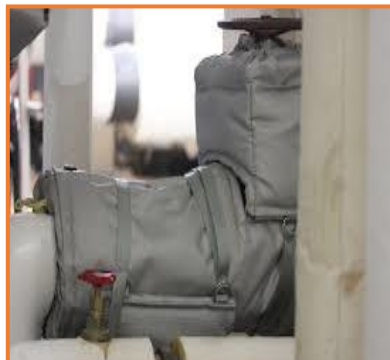
- Fabric Expansion Joint
- Rubber Expansion Joints
- LFP Expansion Joints
- Metal Bellows
- Rubber (EPDM) Bellows
- Stitched Bellows
- Boiler Joints
- Loading Chutes
- Seals & Packing
 - Standard Square/ Round/ Rectangular
 - Tadpole Seals
 - Rotary Kiln Seals
 - Electrode Seals
 - Mechanical Seals
- Thermal Insulation Jacket
- Industrial Gaskets
 - Ring
 - Full Face
 - Spiral Wound
- Ceramic Fibre Products
 - Blankets
 - Board
 - Cloth
 - Rope
 - Tape
 - Paper
- Glass Textile Products
 - Tapes
 - Cloth
 - Sleeving (Silicone Coated if Required)
 - Rope
- Water Pipe Insulation
 - Hot or Cold—Polyurethane or Copper Piping



“...From providing Loading Chutes to the cement industry, to providing roof insulation to the building industries, we endeavor to find the solution to any Thermal Insulation Problem...”

PRODUCT RANGE

- Preformed Fibreglass Pipes (Cladding if required)
 - Fibreglass Pipe Sections
 - Rockwool Pipe Sections
- Fibreglass Insulation
 - Insulation matt
 - Insulation Felt
 - Insulation Board
- Welding/Fire Blankets
- Tarpaulins
- Geyser Blankets
- Sheeting
 - EPDM Rubber
 - Neoprene (Red & Black)
 - Rubber Insertion
 - General Purpose Rubber
 - PTFE
 - Viton
 - Gaskets (Non-Asbestos)
 - Millboard
 - Cork (Normal & Transformer Grade)
 - Vellumoid/Flexoid
- Refractory Cement
- Other general thermal insulation products



Due to our expanding product range Fawkes Thermal Manufacturing reserves the right to alter or change this brochure or any of the information herein without prior notice.

EXPANSION JOINTS

Our Expansion Joints are manufactured by an exceptionally trained technical team. With a manufacturing team that has over 23 years of technical experience, we are able to manufacture any Expansion Joint to suit practically any application.

Our Expansion Joints are manufactured to suit each of our clients' individual needs. From materials such as Glass and Ceramic Textiles and high temperature Silicones to EPDM, we use only the best quality materials to ensure the best quality products.



We manufacture 3 Types of Expansion Joints, namely:

- Fabric-Type Expansion Joints
- Elastomeric-Type Expansion Joints
- LFP-Type Expansion Joints



Our Expansion Joints are able to withstand temperatures from -60°C to 1200°C . We use only the highest quality materials from all over the world to ensure that our Expansion Joints are manufactured to the best quality products.

We have an Expansion Joint for any Temperature and Application. If you are unsure what material you require your Expansion Joint to be, contact us for an Expansion Joint template and we will advise you on the best Joint for your needs.

Send our technical team an email:

sales@fawkesthermal.co.za



METAL BELLOWS/COMPENSATORS

Our bellows have been used all over Southern Africa. From the Mining sector to refineries, we are able to supply any kind of metal bellow into almost any industry. We supply a wide range of metal bellows ranging from standard axial type bellows to custom made products.



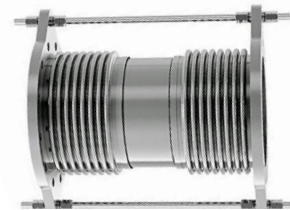
Our Metal Bellows have a temperature range of 200°C to 800°C and have a pressure rating of up to 50 Bar.



Single Axial (AX)



Axial Tied (AXT)



Double Tied (DT)



Single Hinged (SH)



Square/Rectangular (SR)



Double Hinged (DH)

MEDIUM – GAS, LIQUIDS & PULPS
MOVEMENT – AXIAL, LATERAL AND RADIAL

RUBBER BELLOWS/COMPENSATORS

Our Rubber Bellows are supplied from ND 1.1/4" (32mm) up to ND 80" (200mm), being recommended to operate up to 225 PSIG (16 Kgf/cm) and 250°F (120°C), according to the specific model.

FEATURES:

- Compensation for displacements with small installation lengths and low spring forces.
- Corrosion resistant.
- High absorption of mechanical and sonorous vibration.
- Low weight.
- Exempt of sealing joints.
- Not welded end connections.
- Electrical discontinuity.
- Excellent ability to resist heat, water, weather, and severe atmospheric conditions.



APPLICATIONS

- Air-condition system.
- Pumps, air compressors, blowers, etc.
- Industrial piping systems.
- Marine piping systems.
- Sanitary systems.
- Any piping system where it is necessary to compensate thermal displacements.

STITCHED BELLOWS & LOADING CHUTES

Fawkes Thermal Manufacturing provides a wide range of tailor-made stitched bellows suitable for various applications. Our stitched bellows can be fitted with zips, Velcro, and many other different types of fastening.

Materials for our stitched Bellows include:

EPDM
Silicone Coated Cloth
Aramid Textiles
Heavy Duty PVC
Kevlar



With a knowledge pool of over 23 years technical experience in the manufacture of Loading Chutes, our manufacturing team are able to supply the best quality spring, fixed and cone type Loading Chutes along with their accessories.



Our technical staff are able to supply different kinds of stitched bellows and loading chutes for various applications.

Not sure on what product you need? Contact our sales team for a template for your bellow or loading chute.

sales@fawkesthermal.co.za

SEALS & PACKING

Our seals and packing range consist of standard sized packing from various brands, as well as our own custom-made packing for non-standard sizing and specialized seals for high temperature applications.



Our manufactured high temperature seals are specialized and custom-made to specifically suit our clients' applications.

At Fawkes Thermal Manufacturing, we specialize in:

- Tadpole Seals
- Rotary Kiln Seals
- Electrode Seals
- General High Temperature Seals
- Mechanical Seals



Our standard Packings and Ropes are available in:

- Ceramic Fibre
- Graphite
- Glass Fibre
- Non-Asbestos
- PTFE

For our detailed standard Packing brochure contact our sales department:

sales@fawkesthermal.co.za



THERMAL INSULATION JACKETS



At Fawkes Thermal Manufacturing, we believe in supplying only the best quality Thermal Insulation and our Removable Thermal Insulation Covers are exactly that. Our Thermal Insulation jackets are designed to reduce heat loss from ductwork, valves, flanges, boilers heat, exchangers, pumps, and other fittings.

Our Removable Thermal Insulation jackets are designed to individually suit each client's specification. Manufactured with only the best quality materials, our Jackets are able to withstand temperatures of up to 550°C!



INDUSTRIAL GASKETS



We supply a wide range of gaskets available in many materials. Our industrial gaskets are manufactured from the best quality materials. Sourced both locally and internationally, we constantly assess these materials to ensure our clients receive the best products for their application.

Our gaskets are available in:

- Ring Gaskets
- Full Face Gaskets
- Spiral Wound Gaskets
- Gasket Sheeting



We supply all types of industrial gaskets and gasket sheeting, including:

- PTFE
- Expanded PTFE
- Non-Asbestos (General Purpose)
- Economy
- EPDM
- Graphite
- Hypalon
- Viton
- Ceramic & Glass Textiles
- Rubber Insertion
- Neoprene (Red or Black)
- Cork (Transformer and Industrial Grade)
- Vellumoid/Flexoid
- Copper



FIBRE TEXTILES

CERAMIC FIBRE TEXTILES

Replacing Asbestos products, Ceramic Fibre Textiles are a high-quality insulation that have been used successfully for many years.

Our Ceramic Products are designed with a glass reinforcement to withstand high temperatures of up to 650°C. For higher temperature applications we have wire-reinforced ceramic products to withstand temperatures of 1260°C.

Our Ceramic Products have a low thermal conductivity and excellent chemical stability and compressive strength.

Our Ceramic Textile range consists of:

- Webbing Tape
- Rope
- Blanket
- Cloth
- Paper
- Packing
- Board



GLASS FIBRE TEXTILES

At Fawkes Thermal Manufacturing, we supply a wide range of Glass Textiles ranging from the cloth to webbing tapes. We supply our products in non-standard as well as standard sizing.

Our Glass textiles are available in E-Glass and C-glass and are able to withstand temperatures of up to 550°C.

Data sheets are available for each of our glass fibre products.

Our Glass Textile range consists of:

- Tape
- Cloth
- Sleeving
- Rope/Yarn
- Glass Felt



GENERAL THERMAL INSULATION

With the thermal insulation market being as vast as it is, it is difficult to sum up all our products into one brochure. With the knowledge and experience that the team at Fawkes Thermal Manufacturing has acquired we are called to solve many different Thermal Insulation problems.

With materials ranging from temperature specification of -60°C to 1260°C, we are able to assist with practically any Thermal Insulation application.

Other Thermal Insulation Products we supply:



BOILER JOINTS:

At Fawkes Thermal Manufacturing we manufacture a large range of Boiler Joints, both standard and custom-made. Most Boiler Joints are manufactured to 6mm thickness, but we are able to manufacture them to the client's specification. Our Boiler Joints are able to with-stand temperatures of up to 250°C.

Need help measuring your Boiler Joint? Request a size template from our technical department: sales@fawkesthermal.co.za

FLANGE COVERS/SPRAY SHIELDS:

Our spray covers are made with a high spray resistance and are chemically inert. These spray covers are easy to install, easy to remove and are reusable. Our LFP range is UV stabilized but we are also able to supply our Spray Shields in PTFE and other materials.



PIPE INSULATION:

We have a wide variety of pipe insulation and sections available for both indoor and outdoor applications. Our pipe insulation is used for both thermal insulation as well as acoustical insulation and is able to withstand temperatures of up to 660°C.

Need insulation for an outdoor application? We can provide galvanized cladding for all our pipe sections.

GENERAL THERMAL INSULATION

FIBRE GLASS INSULATION:

Designed for thermal and acoustical applications, our fibre glass insulation products are only the best quality materials.

Our product range consists of:

- Insulation matts and boards
- Insulation felt
- Wire back mattress



WELDING BLANKETS:

We pride ourselves in providing our clients with only the best quality products and our welding blankets are no exception. Our welding blankets are heat resistant and are made to our client's specification. The welding blankets are made from an E-Glass Cloth and are able to withstand temperatures of up to 550°C.

THINKPINK AND SISALATION ROOF INSULATION:

Mainly used in ceilings, the ThinkPink and Sisalation roof insulation are used to reduce the energy required to maintain a comfortable living environment. Sisalation and ThinkPink are available for both industrial and residential use.

Our roof insulation is also available in ThinkGreen environmentally friendly products.



SILICONE EXTRUSIONS:

Our silicone rubber extrusions are made to our client's specification. We supply all kinds of seals for various applications including oven sealing, dairy sealing and various door and window sealing.

At Fawkes Thermal Manufacturing, we pride ourselves on ensuring on the best quality Thermal Insulation products. With a knowledge pool and technical experience of almost 23 years between the founding team, we endeavor to provide best service, sound technical advice and superior quality Insulation products. With our technical experience, we strive to provide the best quality product at an affordable price.

The products we specialize in are:



- U-type, Round and Rectangular Expansion Joints
- Metal and Rubber Bellows
- Stitched Bellows
- High Temperature Seals
- Thermal Insulation Jackets
- Welding & Fire Blankets
- Boiler Joints
- Tadpole Seals



Contact us for your Thermal Insulation needs:

sales@fawkesthermal.co.za | FAWKES THERMAL MANUFACTURING | www.fawkesthermal.co.za