

FABRICATED HEAT RESISTANT PRODUCTS

HEAT RESISTANT MATERIALS

FABRIC EXPANSION JOINTS

ACOUSTIC INSULATION

THERMAL INSULATION



[www.merlynproducts.com.au](http://www.merlynproducts.com.au)



Manufactured by **Merlyn Products**

a division of **Pyrotek**



## EXPANSION JOINTS

All exhaust gas duct work require expansion joints or vibration eliminators to absorb any movement in the duct work. We manufacture a range of fabric expansion joints to suit all temperatures from ambient to 1000°C, with noncorrosive and corrosive mediums. We also supply fabric expansion joints made with high density materials to provide a sound barrier in joints on or near fans. We offer a complete design manufacture and supply of the fabric expansion and associated steelwork and also on site supervision of installation.

## FABRICATED INSULATION COVERS

There is an increasing demand for removable insulation covers for all types of high temperature equipment which require regular maintenance. Merlyn Products have the ability to design covers utilizing their range of fabrics to suit the prevailing conditions and to encapsulate a selection of insulating materials to the calculated thickness to minimise heat loss. Equipment likely to use these covers are turbines, turbo chargers, exhaust systems, flanges, flexible joints and valves.



## ACOUSTIC INSULATION

There is a wide range of products available to reduce sound reverberation and penetration. All situations are covered by our range of acoustic foams, loaded vinyls, with composites of these two materials as well as the full range of glasswool and rockwool. We will cut all materials to specific shapes, as well as make acoustic covers from sheet metal for generator enclosures to fabric covers with the acoustic insulation sewn into the lining.

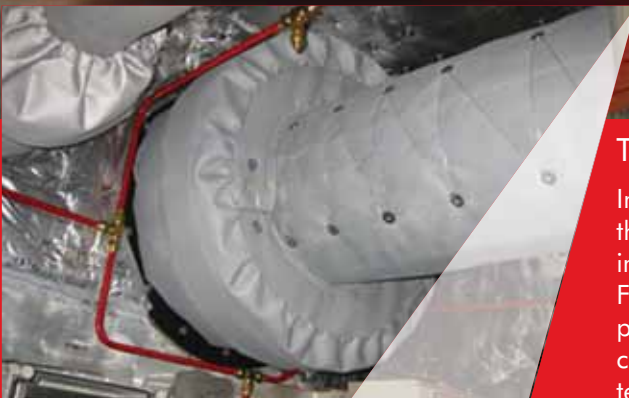




## THERMAL ROPES AND TAPES

High temperature fabrics play a big part in industry and we carry a large range of fabrics to suit all situations. The range covers PVC coated polyester 90°C, Kevlar 400°C, glass cloth 550°C, silica fabric 1000°C, ceramic cloth 1260°C and Nextel 1450°C.

We can provide a range of tapes and ropes in the same material as the fabrics, all suitable for seals, gaskets, pipe wrapping, door seals and tadpole or keyhole tape.



## THERMAL INSULATION

Industry demands a wide range of thermal insulation and this is well catered for by our selection of thermal insulation covering temperatures from -40°C to 1400°C.

For cryogenic situations we offer cellular glass, polyurethane and polystyrene for chilled water and cryogenic applications, glasswool and rockwool for temperatures in the range of 30°C to 820°C.

We have a range of soft Refractory in our ceramic products covering temperatures from 650°C to 1400°C.



## MARINE INDUSTRY

We are the foremost supplier to the marine industry and offer a range of exhaust lagging, turbo charger covers and insulation blankets for exhaust pipes and vibration eliminators as well as an extensive range of other products and acoustic insulation. Our fabrication division is available to manufacture, supply and install all types of thermal and acoustic insulation products.



## FLEXIBLE HOSES

As a further service to our clients, we offer a range of stainless steel flexible convoluted hoses and expansion joints.



## DUST COVERS

We manufacture dust covers in many forms from simple throw-over blankets to curtains to suit ambient conditions, to bellows in high temperature applications, as well as dust protectors for pneumatic or hydraulic rams.



## FLANGE COVERS

Where corrosive products are carried in pipe work there is the possibility of the product leaking out and injuring personnel. The flange covers minimise the risk in these circumstances.

## BOARDS

We have a range of boards to suit most applications such as fire doors, mill boards and refractory boards.

## HIGH TEMPERATURE DOOR SEALS AND GASKETS

We have a wide range of high temperature door seals and gaskets. These are made from silicon rubber, fibreglass or ceramic fibre. These are supplied in square or round braided ropes or flat tape. Our fabrication division has the ability to manufacture seals to any shape or thickness.

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