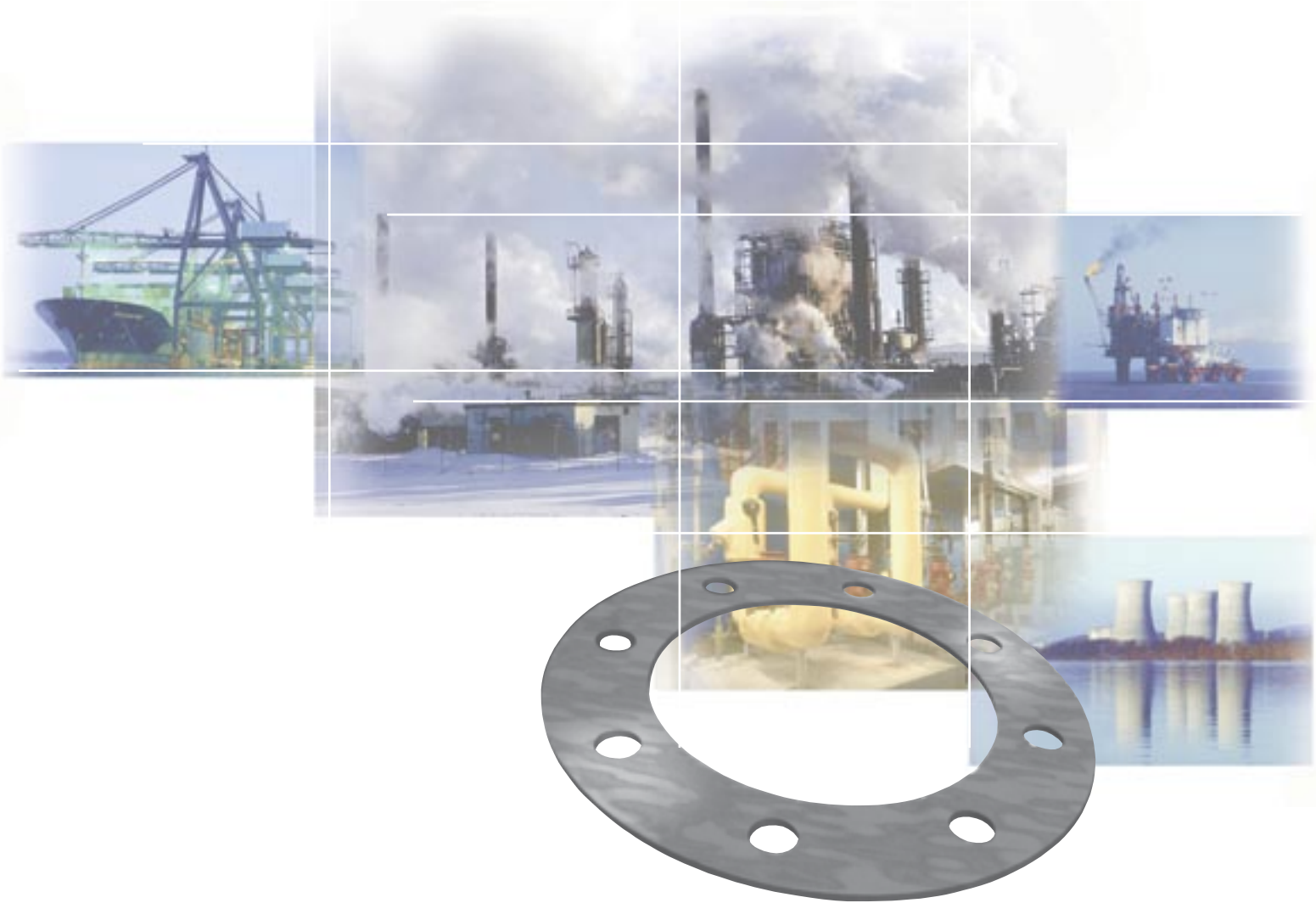


P R O D U C T S A N D S E R V I C E S



Manufacturers and distributors of sealing and jointing materials.

Novus Sealing is an independent company that is committed to providing unique industrial sealing solutions underpinned by exceptional customer service. The company offers a comprehensive range of fluid sealing materials for industrial and manufacturing applications, fully supported by one of the strongest technical teams in the business.

Novus Sealing manufactures and trades from facilities located in the United Kingdom, which operate under **ISO 9001 and 14001** accreditation. Our extensive global distributor network ensures that we can meet the needs of our customers for high quality products and services, worldwide.

This brochure outlines our products and services. For more information on any of the areas covered please feel free to contact our sales or technical support teams who will be happy to assist you.

Novus Compressed Fibre Jointing

The **Novus** range of compressed fibre jointing is designed for a wide range of industrial and original equipment applications where sealing performance and specification is essential.

A comprehensive range of grades is available covering a wide spectrum of applications. In addition the materials can be supplied in private brand and colour formats to ensure your company or customer is accorded recognition.

The jointing can be supplied as sheet or as cut gaskets either to standard or non-standard dimensions.



Novus 10



Novus 20



Novus 26



Novus 30 (Supra)



Novus 34



Novus 45



Novus 48 (Acid)



Novus 49 (Graftec)

PTFE Products

Novus Uniflon is a comprehensive range of modified and expanded PTFE sealing products designed for applications where chemical resistance is paramount or where food safety is a requirement.

The **Uniflon 50** series is the latest generation of filled biaxially orientated PTFE sealing material combining outstanding chemical resistance with excellent sealing performance. The enhanced capabilities of our manufacturing facility means that one piece gaskets are available, up to 2000 mm diameter

Uniflon Exp. is a range of expanded PTFE products designed for sealing applications of limited low bolt load. Available in both sheet and tape forms and in a range of thicknesses and sizes.



Uniflon 50



Uniflon 51



Uniflon 53

Exfoliated Graphite Sheet

Our range of exfoliated graphite products are designed for demanding, higher temperature applications typical of the petrochemical and refining industries. Manufactured from high purity exfoliated graphite, the product is available with a variety of metallic inserts.

Ultra high purity for the nuclear industry and high-pressure grades are also available.



Novus FI (foil)



Novus TI (tanged)



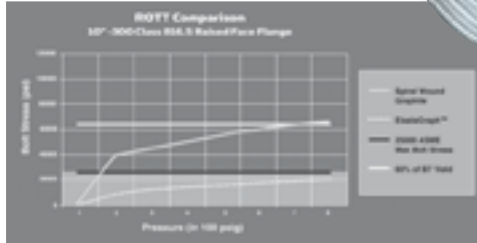
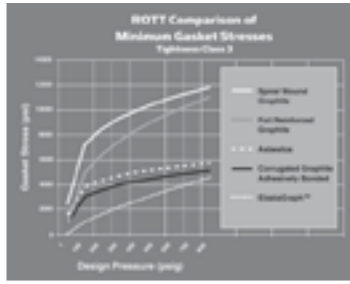
Sigraflex Hochdruck



ElastaGraph™ Flange Gaskets

ElastaGraph gaskets are manufactured by infusing a seamless layer of flexible graphite at varying densities and thicknesses over a corrugated metallic core. Unlike competitor products the ElastaGraph does not contain any adhesive which can contribute to bolt torque loss.

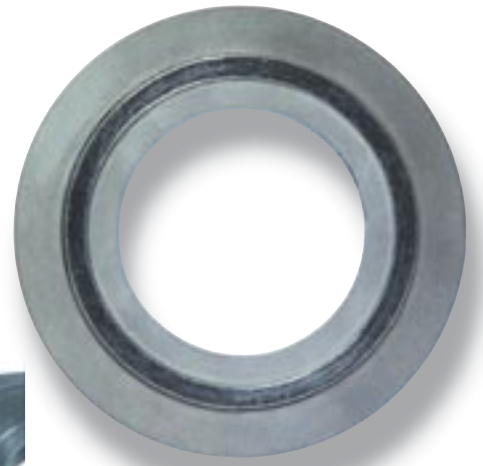
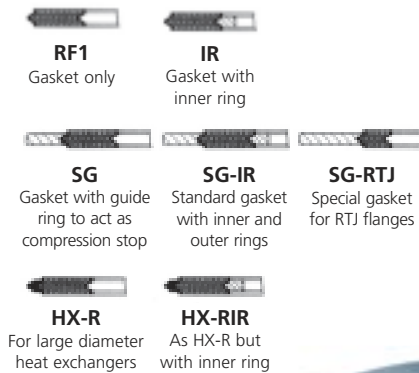
The unique corrugation of the **ElastaGraph** greatly increases the products recovery or 'spring back' and reduces the surface area of the gasket resulting in greater unit load at initial torque or a lower minimum seating stress. The proprietary production process allows the graphite to be applied without a 'seam' and since the inner diameter is encapsulated by high density flexible graphite the sealing performance is significantly improved compared to traditional designs. Available for Class ISO and 300lb standard flanges and to suit non-standard requirements.



Spiral Wound Gaskets

Novus spiral wound gaskets are a semi-metallic products designed for high pressure and temperature applications. A variety of forms of the gasket are available and these can be manufactured in a variety of materials or sizes to suit requirements.

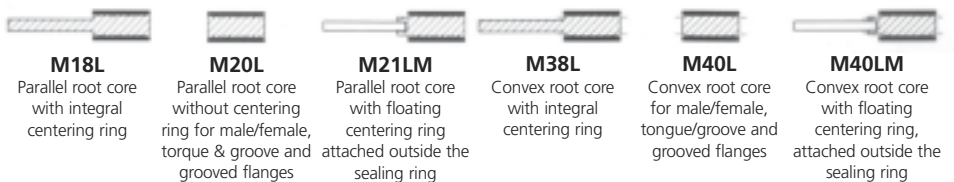
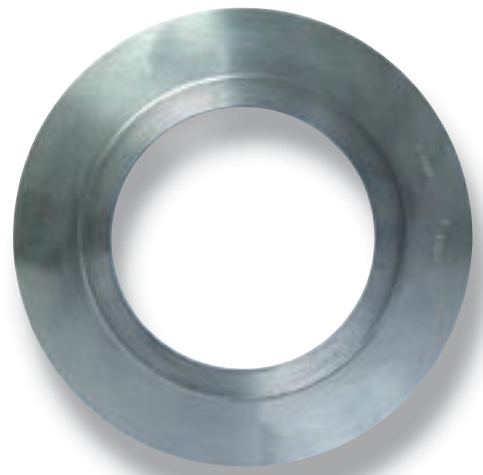
With over 100,000 standard gaskets in stock and fast track manufacturing for non-standard items we can meet all your service requirements.



Camprofile Gaskets

Novus Camprofile gaskets are the ideal product choice for standard pipeline and heat exchanger applications. They provide the highest levels of sealing integrity but with the ability to seal at seating stresses normally associated with sheet materials. Camprofiles are able to cope with fluctuating temperatures and pressures making them the gasket of choice for heat exchanger service. The product can also be used time and again when refurbished.

Novus Camprofiles are available in a number of styles to suit a variety of applications. Of particular note is style M21LM which incorporates a floating guide ring with a unique edge attachment, improving both the sealing integrity of the gasket and its recycling capabilities. The result is a cost effective gasket with unparalleled sealing performance. For more information on this product please contact our technical support specialists who will be happy to assist you.





Ring Joint Gaskets

Metallic ring joints are designed for high-pressure applications. They are available in a variety of forms to suit differing flange formats.

Novus Sealing holds API 6A Level 4 licence to manufacture Ring Type Joints. We hold stocks of standard material grades including soft iron, stainless steels, duplex and Inconel 625 and Incoloy 825 and can manufacture special requirements at short notice.



M11, model BX

for very high pressures (up to approx. 1500 bar) suited only for use with API-type BX flanges and grooves



M12, model RX

for very high pressures (up to approx. 700 bar) and is interchangeable with standard R models



M9, model R octagonal

Standard ring type gasket for flanges with standard ring type grooves



M8, model R oval

Standard ring type gasket for flanges with ring joint grooves



Metal Jacketed Gaskets

Metal jacketed gaskets consist of a soft filler encapsulated in a metallic material. The filler material provides the gasket with compressibility and resilience while the jacket confers compressive strength and blow out resistance.

Jacketed gaskets can be produced in a variety of configurations making them ideal for heat exchanger applications. A wide range of jacket and filler materials are available to suit every service condition.

Jacket material:

Stainless Steel
Aluminium, Copper
Brass
Titanium
Silver
Carbon Steel, Soft Iron
Monel
Inconel
Incoloy
Nickel
Hastelloy

Filler materials:

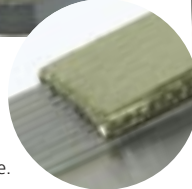
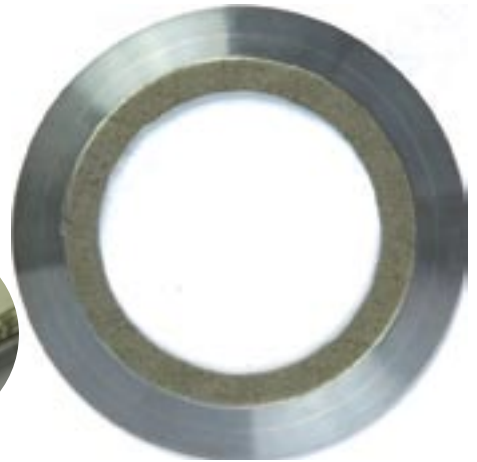
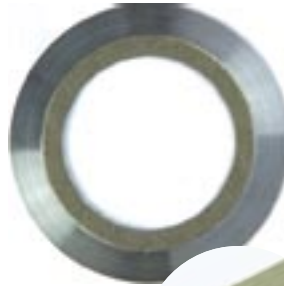
Non Asbestos Millboard
CNAF
PTFE
Uniflon
Graphite



High Temperature Jointing

When application temperatures exceed the limits of exfoliated graphite, the end user has recourse to a number of specialist jointing materials which maintain their integrity at temperatures up to 1000°C.

Novus Therm is a specially developed sealing material capable of maintaining a long term seal at temperatures up to 1000°C. It is available in sheet form reinforced with a stainless steel tanged insert or as filler for spiral wound gaskets or Camprofiles. In addition to the material's resistance to high temperatures, it possesses outstanding chemical resistance making it suitable in applications where many conventional sealing materials are attacked.



Detail shows special high temperature material facing a metallic camprofile core.



Compression Packings

In addition to our sheet and gasket products, **Novus** offer a full range of compression packings for valve, rotary pump and reciprocating pump applications. Our packings utilise the most advanced production techniques and materials to ensure a high integrity seal in even the most demanding of industrial applications.

Materials of construction include PTFE, Graphite and Carbon Fibre and synthetic fibres in a variety of combinations. For high performance valve applications, we manufacture exfoliated graphite die-formed rings in virtually any size, section or density to suit requirements.

Also available in PTFE, Graphite, Carbon Fibre and synthetic fibres in a variety of combinations, thicknesses and lengths to suit every application.



Insulation Kits

Novus provide a complete range of flange insulation products to limit corrosion in pipeline systems. The sets are designed to electrically isolate flanges and bolts in cathodically protected piping systems or wherever dissimilar metals are present.

Insulation kits also eliminate static charge transfer in discharge and loading operations at quayside and oil storage terminals.

Novus Insulation Kits are available for every type of flange and in a range of materials to suit the application.



Novus Kit D-RTJ
Type D with RTJ gasket



Novus Kit E-FF
Type E with full face gasket



Novus Kit F-RF
Type F with IBC gasket

Environmental Solutions

Novus leak detection and repair management programs are designed to ensure our clients reduce their environmental impact by minimising the release of airborne pollution and contaminants. By identifying the source of the emission and then taking action to eliminate or minimise it, major gains can be made in emission reduction. In most cases action taken to reduce fugitive emissions offers good financial payback, enabling the client to sell product that would otherwise be lost to the environment.

Our skilled technicians have a wealth of experience in the identification and repair of equipment leaks.

Please contact our technical department for further information.

Joint Integrity Programs

Leaking joints are one of the main causes of fluid release from petrochemical, chemical and offshore plants. The consequence in terms of safety, downtime, the environment not to mention cost can be very high.

Our joint integrity programs are designed to assist companies in the control of joint leakage from plant. We offer a range of programs and services to suit your needs; from detailed Joint Integrity procedures tailored to plant requirements to simple but effective tools designed to improve the efficiency of the assembly of the flanged joint.

Please contact our Technical Department who will be happy to discuss the programs in detail.

Laser Cutting

equipment: 3 kw laser

uses: sign cutting, shims, pattern parts, precision cutting

materials: Stainless, Carbon, Inconel, Nickel, Aluminium, Wood, Plastics, Brass, Honeycomb, Copper, Armour Plate, Incoloy, Hastelloy, Monel.

service: 24 hours seven days a week

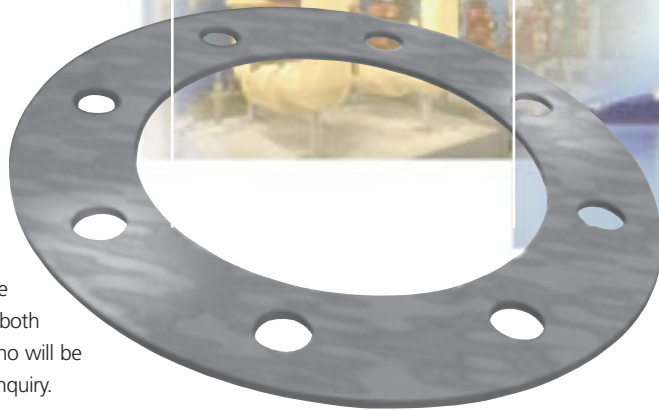




Technical Support

Novus Sealing is fully committed to ensuring our customers receive the highest level of technical support for our products and services. Our technical specialists can provide expertise on all issues associated with sealing performance, so you can be assured of selecting the right product for your application and installing it in the correct manner. However, our support capabilities extend beyond the usual remit for our industry. We have specialists in both materials technology and mechanical engineering who will be happy to help you regardless of the nature of your enquiry.

We offer year round technical assistance, on-site support, product training or in-depth testing programs please ask for our technical support team who will be happy to help.



Certificate No. 18566
BS EN ISO 9001:2000



Certificate No. 18566
BS EN ISO 14001:1996

Your Distributor



Hunsworth Lane, Cleckheaton, West Yorkshire, England BD19 3UJ