

Coestan

Comercial de Estanqueidad S.L.

YOUR GASKETS SOLUTION



Coestan is a company dedicated to the development, production and marketing of seals in the chemical, petrochemical, and boiler plants, thermal power plants and nuclear, paper, food, pharmaceuticals, iron and steel, cogeneration, biomass, waste management, water treatment or shipbuilding.

In our facilities we manufacture sealing gaskets in a wide range of materials and designs determined by our customers. We provide manufacturing tools as water cutting machine, presses, lathes, milling machines, etc. We sell a wide range of sealing products that meet international standards. Our answer is very competitive, thanks to the close collaboration of **Coestan** with leading European manufacturers.

With 50 years of experience, this family company collaborates with its clients in the definition and implementation of the most appropriate solution for each particular case. We make our products according to existing regulations or under specific design. This leads us to affirm that **Coestan** is your sealing solution.



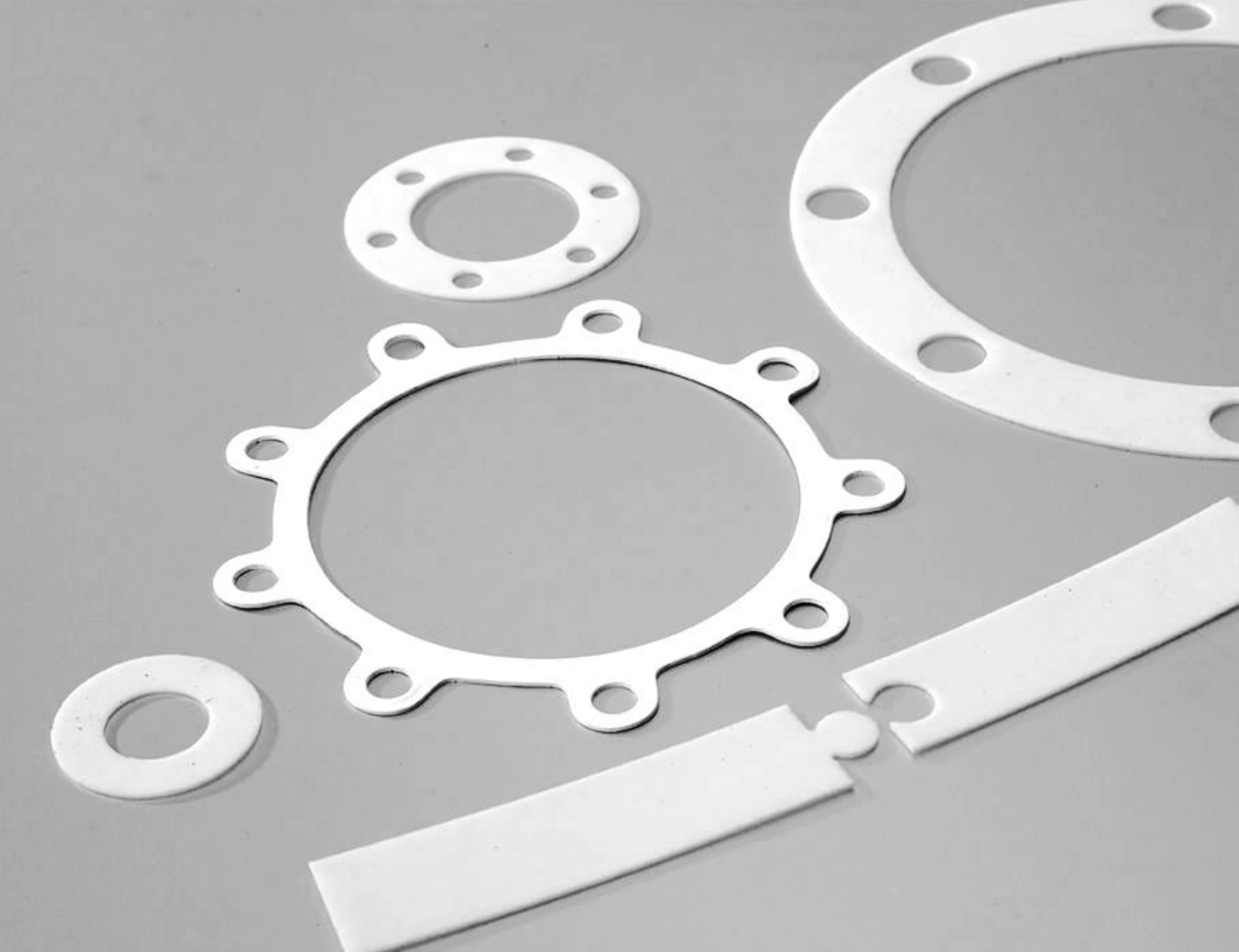
Products

Static sealing joints, better known as flat gaskets, are necessary when the sealing element is not subjected to any kind of friction or movement relative to the other part of the equipment. The choice of material it will depend on operating conditions such as pressure, temperature and fluid.

Coestan is a national leader in the manufacture of non asbestos and graphite gaskets. We manufacture our products based on international standards, as well as adapting to all designs of our customers. As manufacturers, our fast service is higher and our prices are more competitive than other companies in the market. We offer technical advice of the best sealing solution to a specific critical service.

We work with historical prestige brands like Klinger®, Latty®; Garlock®, Flexitallic®, Tesnit®; as well as other existing on the market, always with quality as the main characteristic signatures. You can download the technical data sheets of the different materials in our Technical Area page.

We have immediately available capacity of our gaskets, which are round, oval, rectangular, with or without holes, with ribs for heat exchangers, level gauges, with inner stainless eyelet, etc.



The polytetrafluoroethylene (PTFE) was created by DuPont laboratories under the name Teflon®. It is a very versatile resin that stands out for its wide thermal spectrum (from -200 to + 260 ° C), resistance to most aggressive products and excellent frictional properties, both static and dynamic. It also has FDA certification for food use, does not absorb humidity and is not affected by weather or sun exposure. PTFE is undoubtedly the ideal raw materials for chemical, laboratories, food and pharmaceutical industries.

PTFE is presented in rigid plates, film, bars, tubes, etc. It serves to fabricate flat gaskets, O-rings, machined parts, envelopes, etc. It is such a versatile material that derivatives have been created for different applications.

Teflon have excellent friction, both static and dynamic, that can be improved with certain fillers and reinforcing agents, such as brass, fiberglass, carbon and graphite.

The pure expanded PTFE has a high malleability allowing flange sealing even damaged, while its low relaxation under load ensures high efficiency assembly. By requiring low torque, the expanded Teflon is recommended in fragile flanges coated glass or plastic. Its purpose is to seal against aggressive agents and food applications as this material is according to the FDA.



Coestan has access to major European manufacturers of spiral wound gaskets and can offer highly competitive prices for storage and local manufacturers for emergency solutions up to 24 hours. At our facilities also we have a good stock of the most common standard sizes for immediate delivery.

The spiral wound gaskets are made by winding corrugated metal strip and V-shaped laminate layers of soft, to a certain voltage and density. The resulting product is a gasket that ensures sealing under severe pressure and fluctuating temperature; both steam and oils, gases and liquids, including most chemicals.

The characteristics of these gaskets are:

- Suitable to a wide range of pressures up to 250 bar fluids.
- The outer ring serves to center the gasket in the flange face and thus prevent it is disassembled by a bad position. Note that the transport and handling of spiral wound gaskets requires extra care because it is a spring, enabling the seal.
- Due to the combination of metallic and flexible fillers, the spiral wound gasket has a wide range of applications.
- Thanks to the use of non-adhesive materials, the board is easily removable from flange and causes no damage on the face of it.



Within the family of metallic gaskets, flat gaskets can be found in materials such as aluminum, stainless steel, copper or iron. But we want to emphasize the high performance of kamprofile gaskets or grooved gaskets. It is a metal core having a grooved profile machining. The metallic core is coated on both sides of a flat gasket of soft material, either graphite or PTFE, tightly pressed into the slots triaxially. Thus a thin layer between the tips of the profile is created across the sealing face.

Kamprofile joints are used in refineries, chemical and petrochemical plants, nuclear power plants, to ensure the sealing in high temperatures and pressures applications. The charge stability of these gaskets is significantly higher than the flat gaskets without asbestos. The core is made of slightly convex profile, which makes the peak sealing point in the middle of the contact surface. Due to the characteristics of the gasket, this product fits perfectly into the roughness of the flange face and its irregularities. There are 3 profiles for this type of gaskets: B27A without centering ring, especially suitable for tongue and groove connection flanges; B29A with centering ring that helps to fit the right position of the gaskets between bolts and B25A with removable centering ring and retrievable for another gasket. Reduces replacement costs of these products, particularly suitable for larger dimensions.



Metal Jacketed gaskets are used for high pressures and temperatures. The metal coating gives resistance and protects against corrosion, while filling gives soft material resilience. They are specially designed for boilers and heat exchangers and allow its use in very narrow surfaces. The determination of metal material and filling material will be based on fluid and temperature must withstand the seal.

Coestan has an urgent delivery service for 48 hours and special prices for scheduled orders.

Sometimes the flat gaskets with inner or outer metallic eyelet are also classified as metal jacketed gaskets. It consists in a flat non asbestos gasket to which is added one metallic flanging or eyelet. The result is a gasket that increases the range of pressure and temperature it supports.

Coestan has in stock inner eyelets and molds for DIN and ASA standard measures for its application in the required quality of gasket: non asbestos board, tanged graphite, PTFE, etc. But also we offer our customers the opportunity to make this type of gasket according to their own requirements.



Within this family we distinguish between elastomeric gaskets, made from processed rubber rolls or molding and other elastomeric seals.

In Coestan we manufacture gaskets of any type of rubber. We also have profiles, bands, inflatable sleeves or belts or molded gaskets. The main qualities of rubbers on the market are:

- Natural rubber: hydrocarbon from latex, which is extracted by bleeding from several species of tropical trees. The resulting Natural Rubber has excellent mechanical properties and is suitable for applications with heavy loads tear or subjected to frictional contact with abrasive elements.
- Synthetic Rubber: from oil, have worst traction response than natural rubber but much greater resistance to solvents, greases, oils, hydrocarbons, etc. Also they have a lower aging use in contact with ozone, temperature changes or oxidation. Synthetic rubbers are more suitable for gaskets in contact with chemicals agents or weathering. Each quality is suitable for some specific applications, see the data sheets of the materials in our technical area to determine what quality is suitable for their conditions of service or, if you prefer, in Coestan advise you directly.



When a pipeline system and flanges need a corrosion and cathodic protection, the solution is found in the installation of isolation kits, also called dielectrics sets. This product prevents metal to metal contact, stopping the static current. Dielectric sets provide an effective seal and are designed to maintain the integrity and reliability of the system. Made of high dielectric constant materials and low water absorption, the Flange Insulation Kits are formed by a central gasket, sleeves to protect bolts, iron and phenolic washers. The most common materials are celotex, bakelite, phenolic material, G-10 or Mylar; determining one or the other depends on the working conditions that has to endure the whole.

Coestan manufactures dielectrics sets according to DIN or ASA standards. We specialize in isolation kits large flanges to DN 1800. We also adapt to flange design of our customers.

Dielectric sets are divided into the following types:

- Type F or Raised Face: the outer diameter of the central gasket reaches the inner boundary of the bolts.
- Type E or Full Face: the central gasket covers the entire face of the flange, avoiding the risk of internal short circuit.
- Type D or RTJ: same system as the previous two but special rates for RTJ flange slot.



A thermal insulator is an industrial material characterized by its high thermal resistance. Establishes a barrier to the passage of heat between two media naturally they tend to equalize in temperature, preventing the heat transferred separators system.

In general, all materials offer resistance to the passage of heat, are thermal insulators. The difference is that the insulation materials have a very large resistance, so that small material thicknesses have enough resistance to the use we want to give. One of the best thermal insulators is vacuum, in which heat is transmitted by radiation only, but due to the great difficulty in obtaining and maintaining vacuum conditions is used rarely. In practice is mostly used air with low humidity, which prevents the passage of heat by conduction, due to its low thermal conductivity, and by radiation, due to a low absorption coefficient.

Mica is a mineral exfoliates in thin crystal, transparent, flexible and elastic sheets. Its resistance to high temperatures and its dielectric competence make it a good insulator. Muscovite mica, most commonly used in industrial applications up to 900 ° C resistant, so it is widely used in the level gauges or peepholes of boilers and furnaces. As borosilicate glasses, they are presented in standard sizes and can also be manufactured on demand.



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IQNet, the association of the world's first class certification bodies, is the largest provider of management System Certification in the world. IQNet is composed of more than 30 bodies and counts over 150 subsidiaries all over the globe.

CERTIFICATE N. 9190.CDEQ
CERTIFICADO N.

WE HEREBY CERTIFY THAT THE QUALITY SYSTEM OPERATED BY
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C/ LLULL 48-52 2°4a - 08005 BARCELONA SPAIN

OPERATIVE UNITS
INSTALACIÓN DE

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IS IN COMPLIANCE WITH THE STANDARD
REÚNE LOS REQUISITOS DE LA NORMA

ISO 9001:2008

FOR THE FOLLOWING ACTIVITIES
PARA LAS SIGUIENTES ACTIVIDADES

Fabricación y comercialización de juntas de estanqueidad para la industria. Distribución de productos relacionados con la estanqueidad
Manufacture and commercialization of sealing gaskets for the industry. Supplier of sealing products

Refer to quality manual for details of applications to ISO 9001:2008 requirements
Referido al manual de calidad para la aplicación de la norma ISO 9001:2008

THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE REQUIREMENTS
OF THE RULES FOR CERTIFICATION OF MANAGEMENT SYSTEMS
EL PRESENTE CERTIFICADO ESTÁ SUJETO AL RESPETO DEL REGLAMENTO
PARA LA CERTIFICACIÓN DE LOS SISTEMAS DE GESTIÓN

DATES:	FIRST CERTIFICATION <i>PRIMERA CERTIFICACIÓN</i>	CURRENT ISSUE <i>EMISION ACTUAL</i>	EXPIRY <i>VÁLIDO HASTA</i>
	2015-04-09	2015-04-09	2018-04-09

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SSI N°003G, FSM N°007L, SGE N°006M
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PRS N°080C, ISP N°063E, LAB N°012I
LAT N°021

The validity of the certificate is submitted to annual audit and a reassessment of the entire Management System within three years
La validez del certificado está sujeta a auditorias anuales y a la recertificación completa del Sistema de Gestión con una periodicidad trienal



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