

coestan

S E A L I N G T E C H



Coestan is a Barcelona-based industrial company committed to the development, manufacturing and trading of sealing gaskets for the chemical and oil industries, as well as boilers, thermal and nuclear power plants, pulp and paper mills, food and beverages, pharmaceutical, iron and steel industries, cogeneration, biomass, waste management, water treatment and shipbuilding.

In our facilities we manufacture flat sealing gaskets in a wide range of materials and designs requested by our clients. We provide manufacturing tools such as water cutting machine, presses, lathes, milling machine and more.

We offer an extensive catalogue of sealing products that comply with international standards. Our response is highly competitive, thanks to Coestan's close collaboration with leading European manufacturers.

With more than 50 years of experience, this family business collaborates with its clients in defining and implementing the best solution for each particular case. We make our products according to existing international standards or under specific design required. **Coestan** is your sealing solution.



Our Products





Non-Asbestos Flat Gaskets

Static sealing joints, or 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 selection of the material will depend on operating conditions such as pressure, temperature and fluid.

Coestan is a national leader in manufacturing non-asbestos and graphite gaskets. We manufacture our products based on international standards, as well as adapting to the requirements of our customers. As manufacturers, we guarantee an immediate availability of products and our prices are more competitive than other companies in the field. We offer technical advice of the best sealing solution to a specific critical service.

We work with renowned international prestige brands like Klinger[®], Garlock[®], Belpa[®]; as well as others existing on the market, keeping our quality standards very high. Technical data sheets of the different materials available in our Technical Area section.

We have immediate manufacturing capacity of our gaskets which are round, oval, rectangular, with or without holes, with ribs for heat exchangers, level gauges, with inner stainless eyelet and more.

PTFE Gaskets

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 material 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, mechanised parts, envelopes, etc. It is such a versatile material that derivatives have been created for different applications.





Spiral Wound Gaskets

Coestan has access to major European manufacturers of spiral wound gaskets and can offer highly competitive prices for regular service and domestic manufacturers for urgent solutions requiring fast delivery up to 24 hours. At our facilities we also have a guaranteed stock level of the most common standard sizes for immediate delivery.

The spiral wound gaskets are made by winding corrugated metal strips and V-shaped laminate layers of soft material 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.

Spiral wound 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 prevents it may be disassembled if not properly installed. Note that the transport and handling of spiral wound gaskets requires extra care. 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 gasket is easily removable from the flange and causes no damage on the face of it.

Metallic Gaskets

Within the family of metallic gaskets, flat gaskets can be found in materials such as aluminum, stainless steel, copper or iron. Being the high performance of kamprofile gaskets or grooved gaskets the most relevant. It is a metal-core gasket with a mechanised grooved profile. The metallic core is coated on both sides with a 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 a slightly convex profile, which creates 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.

The main advantages of kamprofile or grooved gaskets are the ability to withstand various high pressures and temperatures, depending on the selected materials can withstand up to 1000 ° C; are suitable for light and heavy flange designs, less sensitive to possible defective assembly.



Metal-Jacketed Gaskets

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

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

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



Elastomeric gaskets

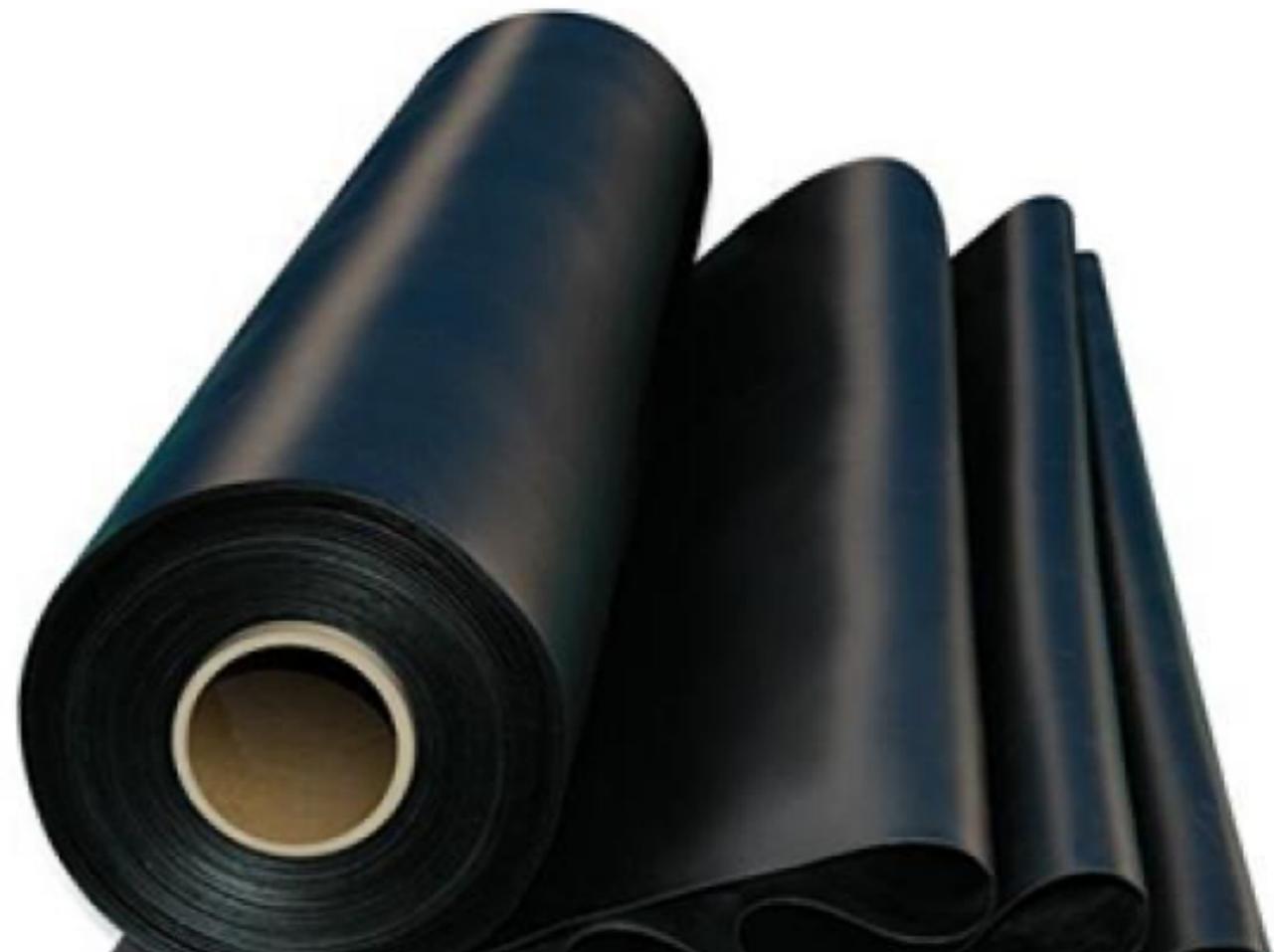
Within this family we distinguish between elastomeric gaskets, made from processed rubber rolls or moulding and other elastomeric seals.

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

Natural rubber: hydrocarbon from latex, which is extracted from several species of tropical trees. The resulting Natural Rubber has excellent mechanical properties and is suitable for applications with heavy tear loads or subjected to frictional contact with abrasive elements.

Synthetic Rubber: from oil, it has less optimal traction response than natural rubber but much greater resistance to solvents, greases, oils, hydrocarbons, etc. It has a better resistance 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, check the data sheets of the materials in our Technical Area to determine the quality suitable for their conditions of service or rely on Coestan for technical advice.



Flange Insulation Kits

When a pipeline system and flanges need a corrosion and cathodic protection, insulation kits are needed, also called dielectrics sets. This product prevents metal to metal contact, stopping the static current. Insulation kits 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, they 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; choosing one or the other depends on the working conditions that has to endure the whole set.

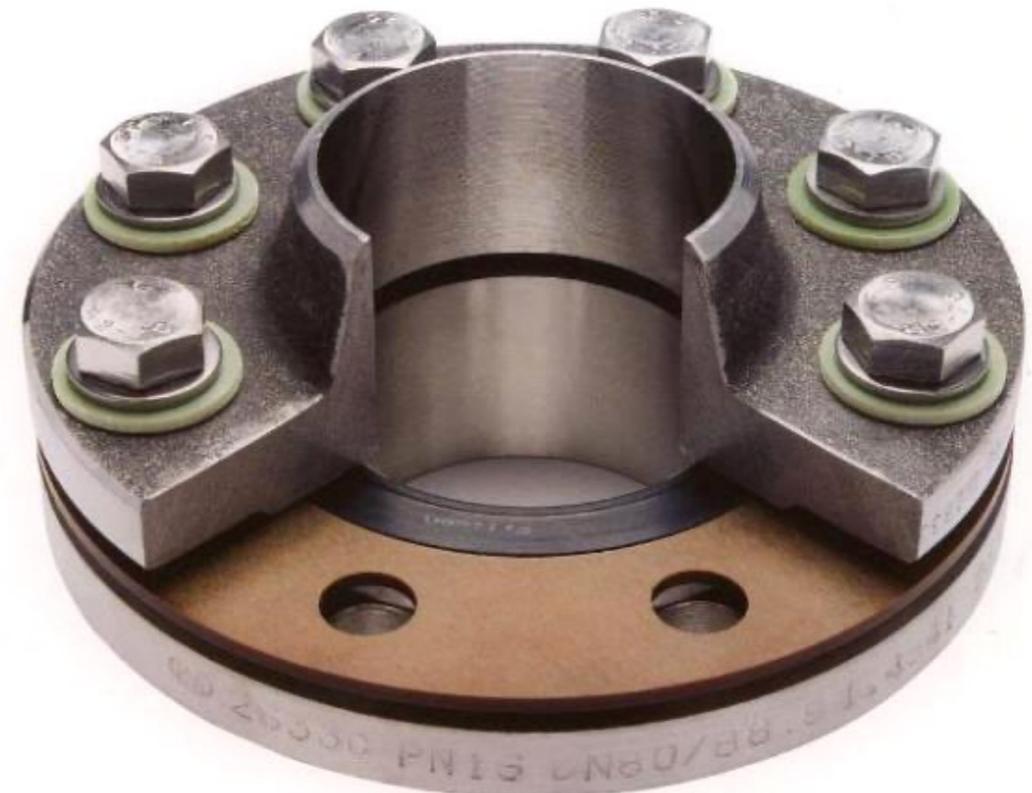
Coestan manufactures dielectrics sets according to DIN or ASA standards. We excel in large-scale isolation kits up to DN 1800. We also adapt to the requirements of our customers.

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.





Insulating materials

A thermal insulator is an industrial material characterised by its high thermal resistance. It establishes a barrier to the passage of heat between two media tending to naturally equalise in temperature, preventing the heat to be transferred.

In general, all materials offer resistance to the passage of heat and are thermal insulators. The difference is that the insulation materials have higher resistance, so that slim thicknesses are suitable.

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. The most commonly used is 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.

Quality

- ▶ Management system audited according to the standard ISO 9001:2008
- ▶ 2.2 Certified of Conformity available at no extra cost
- ▶ Premium Quality materials from EU and US



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CERTIFICATE N. 9190.CDEQ
CERTIFICADO N.

WE HEREBY CERTIFY THAT THE QUALITY SYSTEM OPERATED BY
CERTIFICA QUE EL SISTEMA DE CALIDAD DE

COMERCIAL DE ESTANQUEIDAD, S.L. (COESTAN)

C/ LLULL 48-52 2ª4a - 08005 BARCELONA SPAIN

OPERATIVE UNITS / INSTALACIÓN DE

C/ LLULL 48-52 2ª4a - 08005 BARCELONA SPAIN

IS IN COMPLIANCE WITH THE STANDARD / REÚNE LOS REQUISITOS DE LA NORMA
ISO 9001:2015

FOR THE FOLLOWING ACTIVITIES / PARA LAS SIGUIENTES ACTIVIDADES

Manufacture and commercialization of sealing gaskets for the industry. Supplier of sealing products

Fabricación y comercialización de juntas de estanqueidad para la industria. Distribución de productos relacionados con la estanqueidad

*Further clarifications regarding the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization
Cualquier aclaración adicional relativa a la aplicación de la norma ISO 9001:2015, puede obtenerse consultando a la organización*

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 PRIMERA CERTIFICACIÓN	CURRENT ISSUE EMISION ACTUAL	EXPIRY VÁLIDO HASTA
	2015-04-09	2018-04-09	2021-04-09

IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO ITALY
Management Systems Division - Flavio Orago



SGQ N° 005 A

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

IAF: 14

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 auditorías anuales y a la recertificación completa del Sistema de Gestión con una periodicidad trienal



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CISQ is the Italian Federation of management system Certification Bodies.





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