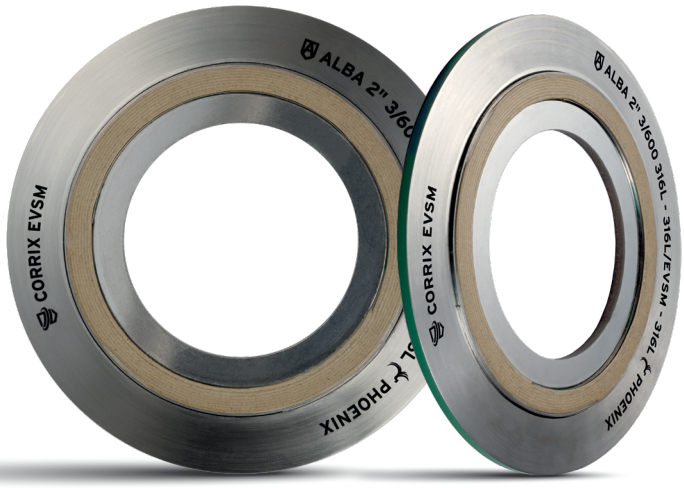
CORRIX®
Corrosion Control Gaskets

Protecting your people, product and profit.

Phoenix Sealing has received the prestigious King's Award for Enterprise in Innovation, recognising CORRIX® Corrosion Control Gaskets for their role in protecting people, products and profits across the global oil and gas industry.

CORRIX® EVSM



EVSM (Expanded Vermiculite Sealing Material) is a spiral wound gasket filler designed to address the issue of flange corrosion in oil and gas applications. Unlike graphite, EVSM is non-conductive, mitigating the risk of galvanic corrosion in seawater and hydrocarbon environments. It is also suitable for high temperature applications, offering reliable sealing performance where traditional fillers may degrade.

Technical Data

Application

CORRIX® EVSM is a spiral wound gasket developed to combat flange corrosion in oil and gas applications. Unlike graphite, EVSM filler mitigates the risk of galvanic corrosion in seawater environments thanks to its non-conductive properties. In addition to corrosion resistance, EVSM gaskets are fire-safe and suitable for high-temperature applications, offering reliable sealing performance in demanding conditions.

CORRIX® EVSM gaskets are available in a variety of metal combinations to suit different operating environments and are compatible with both standard and non-standard flanges, including piping systems, vessels, and equipment.

Typical Filler Physical Properties

Density	g/cm3	1.2 - 1.3
Tensile Strength	MPA	4.35
Leachable Chloride	ppm	<50
Leachable Fluoride	ppm	<50

Temperature Range

-196°C to 1000°C.

Flange Surface Finish

The recommended a flange surface finish of Ra 3.2 to 6.3µm (125 to 250µin).

Availability

Design	Name	Application
Outer & Inner Rings	PM-ORIR	Raised & Flat Face Flanges
Outer Ring Only	PM-OR	Raised & Flat Face Flanges
Inner Ring Only	PM-RIR	Male to female flanges
Sealing Element Only	PM-R	Tongue and groove

Max. Pressure Rating ASME B16.5 Class 2500.

Standard ASME B16.20, B16.47 A & B, EN1514-2, BS10, JIS.

MADE IN BRITAIN®

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