Flexitallic

PRODUCT DATASHEET

CORRICULITE® 235

Corriculite is a specially formulated spiral wound filler material developed for use in sealing applications where flange corrosion is a concern; especially in upstream oil and gas operations where sea water may be present.

CORRICULITE®
Protection. Sealed in.

Service

Flange face corrosion at the flange gasket interface is well documented in seawater and hydrocarbon services typically found in upstream hydrocarbon processing and storage, power generation and desalination applications.

Flexitallic Corriculite uses the unique properties of vermiculite to create a non-conductive, corrosion preventing material to combat the problem of galvanic corrosion associated with graphite filled gaskets.

The spiral wound gasket is a proven design, providing reliable sealing performance and high levels of gasket resilience. When used in combination with Corriculite filler it provides a high integrity, tight seal which is also fire safe according to the API 6FB test.

Corriculite filled gaskets are available to suit both standard pipeline and specially designed vessel flanges.

Gasket configuration and metal selection are based on application details.

Fire Safety:
API 6FB fire test pass

Temperature Range:
-50°C (-58°F) to 225°C (437°F)

Maximum Service Pressure:
ASME B16.5 Class 2500

Filler Material: *CR235*

Gasket Configurations:
CG & CGI - Raised & flat face flanges
RIR – Spigot/recess flanges
R – Flat/groove, tongue/groove flanges

Sealing Element	R
Outer Ring Only	CG
Outer & Inner Ring	CGI
Inner Ring Only	RIR

Availability

Gasket size:	Up to 3000 mm
Thickness range:	4.5mm to 7.2mm

ASME Constants

m	3
Y	10,000 psi

Typical Physical Properties

Leachable sulphur	ppm	<75
Leachable fluoride ion content	ppm	<30
Leachable chloride ion content	ppm	<50

Health & Safety
For further Health and Safety information please see the relevant Material Safety Datasheets or contact Flexitallic Ltd.