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 seawater may be present.

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:
-40°C (-40°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

<table>
<thead>
<tr>
<th>Property</th>
<th>ppm</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Leachable sulphur</td>
<td></td>
<td>&lt;75</td>
</tr>
<tr>
<td>Leachable fluoride ion content</td>
<td></td>
<td>&lt;30</td>
</tr>
<tr>
<td>Leachable chloride ion content</td>
<td></td>
<td>&lt;50</td>
</tr>
</tbody>
</table>