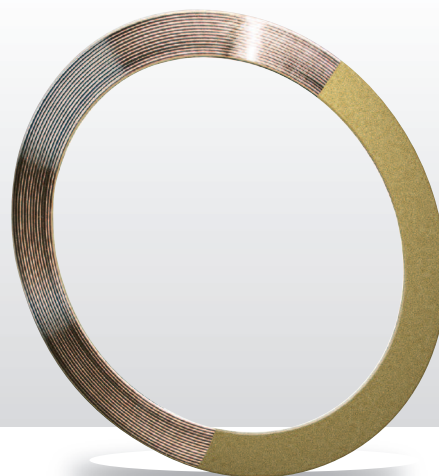


PRODUCT DATASHEET

FLEXPRO™ THERMICULITE® 845



Flexpro™ Thermiculite® 845 is a critical service gasket designed for use in applications involving high temperatures and aggressive chemical media.

Thermiculite®
innovative. versatile. complete.

This Data Sheet refers to the material as supplied. The information contained herein is given in good faith, but no liability will be accepted by the Company in relation to same.

We reserve the right to change the details given on this Data Sheet as additional information is acquired. Customers requiring the latest version of this Data Sheet should contact our Applications Engineering Department.

The information given and, in particular, any parameters, should be used for guidance purposes only. The Company does not give any warranty that the product will be suitable for the use intended by the customer.

Health & Safety

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

Disclaimer

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.

Service:

Flexpro™ 845® consists of a serrated metal core onto which is bonded a vermiculite based sealing face. The metallic core provides gasket rigidity and blow-out resistance while the soft Thermiculite 845® facing provides exceptional sealing performance.

Flexpro™ 845® gaskets are suitable for use in a wide range of sealing applications. They are capable of creating a high integrity seal in the most demanding environments, even in load compromised situations. Typical applications include superheated steam, strong oxidising media and elevated temperature service. The metallic core material can be selected to suit specific applications.

Flexpro™ gaskets can be manufactured to recognised international standards or to suit bespoke connections. This gasket style is commonly used in TEMA type flanges on shell and tube heat exchangers and can be fitted with passbars to suit any design.

Maximum recommended temperature:
1050°C (1920°F)

Maximum recommended pressure:
ASME B16.5 Class 2500 / PN400 rated systems

Materials:

Facing material: Thermiculite®

Serrated metallic core: Typical stainless 316 (Wide range of other metals available to match application).

Bond Type: Adhesive

Styles:

Flexpro™ gaskets are available in several styles with various serration profiles.

Style PN – Sealing element only

Style ZG – Sealing element with integrated outer ring

Style ZA – Sealing element with loose outer ring

Serration profiles are Flexitallic standard or user requested to match the facing material and application. They can be supplied with original DIN 2697, shallow, modified or ball profile.

Specialised designs incorporating asymmetric thicknesses or extra thick cores can be specified.

Availability:

Gasket size:
Up to 5m diameter

Thickness range:
Standard: 2.0mm to 5.0mm

Please contact Applications Engineering Department for applications outside these parameters.

Colour: Golden

Typical Physical Properties*:

Thickness	0.5mm
Density	1.2 to 1.3gcm ⁻³
ASTM F152 Tensile Strength	4.3MPa
Leachable Chloride Ion Content	< 50ppm
Leachable Fluoride Ion Content	< 50ppm

* refers to facing material only.