

## PRODUCT DATASHEET

# THERMICULITE® PASTE



Thermiculite® Paste is a proprietary high temperature water based sealant designed to be used in conjunction with large segmented gaskets manufactured from Flexitallic's high temperature sheet sealing material Thermiculite® 815.

**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 UK Ltd.

### Guidelines for use:

Thermiculite® Paste has been specially formulated for filling minor voids or gaps in the interlocking joints of large segmented gaskets. The paste is applied using a spatula or putty knife directly into any gaps once the gasket has been located in the flange. Care must be taken not to damaged the surface of the gasket in the immediate vicinity of the joint when carrying out this operation.

The paste should be used sparingly, it is NOT a jointing compound, any residual paste deposited on the upper or lower sealing surface of the gasket must be removed prior to joint assembly.

For optimum sealing performance Flexitallic recommend that interlocking joints of large segmented gaskets are cut using laser technology. Thermiculite® Paste is formulated to cure in-situ as the flange assembly warms up. At temperatures in excess of 100°C any residual water will evaporate and paste cure will be initiated. Once fully cured the paste becomes an integral part of the gasket giving rise to improved joint integrity and sealing performance equal to that of a single piece gasket.

When handling Thermiculite® Paste Flexitallic recommend the use of appropriate personal protection in the form of suitable rubber gloves and eye protection.

Flexitallic DO NOT recommend the use of Thermiculite® Paste as a jointing compound. The material should not be used in combination with any other gasket material and should be used strictly in accordance with the manufacturer's recommendations.

Thermiculite® Paste contains active curing agents. In the 'as received' packaged state the recommended shelf life of the product is 6 months when stored under cool dry, conditions. Once opened and exposed to the atmosphere the product should be used as soon as possible. Any excess material should be disposed of in a responsible manner.

**Colour:** Golden Brown

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### Health & Safety:

Because of the processes which take place during manufacture, the product is believed to present no health and safety hazard and, under normal handling and use it is unlikely that the product will give rise to significant levels of exposure to constituent materials.

Flexitallic Thermiculite Paste is a water based composition comprising chemically and thermally exfoliated vermiculite.

Under harsh mechanical treatment the dried paste may give rise to irritant dust which, in extreme cases of exposure, could lead to more serious respiratory problems.

Occupational exposure to such dusts should therefore be minimised and kept below relevant national exposure limits.

Good standards of hygiene should be applied during use of this paste and surplus material should be disposed of by transfer to a site appropriately licensed to accept industrial materials of this nature.

Vermiculite is not combustible.

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