



FLEXITALLIC Thermiculite 894 is a flexible gasket/compression packing, manufactured with the proprietary Flexitallic Thermiculite critical service sealing materials.

It is made by over-knitting strips of Thermiculite foil with a fine (0.09 mm diameter) Inconel 600 wire and then braiding a number of those Thermiculite / Inconel strips to produce a square section sealing material available in continuous coil form.

Service

FLEXITALLIC Thermiculite 894 is intended for high temperature and/or aggressive media applications where a flexible gasket/packing is required. Such applications include but not limited to oven door seals, very large diameter flanges and in the production of industrial fertilizers.

This material can also be used in conventional high temperature valve stem sealing systems for on-off or isolation valves. Alternatively, as the header rings either side of a conventional valve stem sealing stack it can provide an oxidation barrier for the standard graphite components.

Please contact Seaco's applications engineering team for technical advice.

pH Range	0 to 14
Temperature limit	1050°C (1920°F)

Availability

The following square section material is available in coils:

5.0; 6.0-6.5; 8.0; 9.5-10.0; 12.0-12.5; 15.0; 19.0mm

Standard coil lengths are 8m and 20m for small section sizes.

Rectangular cross-sections are possible; please ask about particular section sizes and coil length requirements.

Waranty exclusion

In view of the variety of different installation and operation conditions as well as application and process engineering options, the information given in this datasheet can only provide approximate guidance and cannot be used as basis or warranty claims.