



FIREFLY FLEX FFF1000 Millboard

FIREFLY FFF1000 has been specially developed as a commercial grade of flexible millboard that is both strong and flexible with very low shrinkage at 1000 °C. It provides outstanding thermal performance as a universal gasketing, heat shield, and insulation material.

**Product
Description**

Easy to cut, shape and install, FFF1000 combines low density with high strength. FFF1000 also exhibits a very low thermal conductivity, even when exposed to temperatures up to 1000 degrees C. Millboard Applications include: Crucible Back Up Insulation, General Insulation Board, Heat Shield. This is an exonerated product in accordance with the European Directive 97/69 EC on Classification, Packaging, and Labelling of Dangerous Substances.

**Product
Advantages**

- Flexibility allows for reduced heat losses in curved areas where 2 or more standard millboard sections would usually be joined together
- Classification Temperature 1000 degrees C
- Low Thermal Conductivity
- High Strength & Durability
- Clean & Easy to Cut, Shape & Install
- No Harmful or Hazardous Fibres

Approved Applications

- Crucible Back Up Insulation
- General Insulation Board
- Heat Shield

Physical Properties

| Property | Units | Typical Value |
|----------------------|-------------------|---------------|
| Density | kg/m ³ | 252 |
| Tensile Strength | kPa | 4.17 |
| Ignition Loss | % | 12 |
| Shrinkage | % | 4.2 |
| Compression | % | 20 |
| Thermal Conductivity | Wm/K | 10°C = 0.04 |
| | | 200°C = 0.06 |
| | | 400°C = 0.09 |
| | | 600°C = 0.11 |
| | | 800°C = 0.15 |

Sizes

Thickness: 2, 3, 4, 5, 6, 8, 10, 12mm
Dimensions: 1000x1000 mm; 1000x2000

Storage

- Both un-machined and machined boards should be packed to prevent movement, abrasion during transit and absorption of water. Otherwise normal safe precautions for storage can be used.
- To avoid damage and distortion, store on a smooth level surface, in a fully supported position off the ground and in a dry place.
- Mineral Fibre Insulation Sheets are not considered to be dense materials, but care should be taken not to exceed safe working loads for equipment and storage shelves or racks.



FIREFLY FLEX

FFF1000 Millboard

ARCLEX

FEROFORM

FIREFLY

NITRASIL

REFEL

**REFRACTORY
PRODUCTS**

REFRAVER

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Advanced materials.
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Tenmat warrants the materials it produces will conform to Tenmat specifications and approved drawings where applicable. It is entirely the customer's responsibility to make the final product choice and satisfy themselves of the suitability of the product for the intended application, carrying out testing where required. For construction projects, all products which the customer is intending to use on a particular project must be approved in writing by the customer's building designer, system designer or design control professional, to ensure compliance with the latest regulations.

The information contained in Tenmat data sheets is presented in good faith. The values are "typical only" and are based on test results generally in accordance with BS2782, ASTM, a variety of other main test bodies along with Tenmat internal test methods. These values should not be relied upon for specification purposes or the primary selection of materials. As the data sheet values are typical only, Tenmat does not warrant the conformity of its materials to these properties or the suitability of its materials for any particular purpose. It is the responsibility of the customer to do the necessary testing and satisfy themselves the product is suitable for the intended application.