



# FIREFLY RF1000P

FIREFLY RF1000P is a high-performance, non-ceramic insulation paper made from 100% exonerated, non-hazardous mineral fibres.

---

**Product  
Description**

Using high temperature organic binding agents, RF1000P exhibits superior reliability in challenging environments. RF1000P is a smooth, shot-free material which has a highly uniform structure, further enhanced by its low thermal conductivity and good handling strength. RF1000P offers exceptional stability at high temperatures; it is a highly durable and resilient material whilst being lightweight and flexible.

RF1000P is easy to apply as a wrap, and can also be cut or preformed into gaskets, seals, heat shields, or be applied as general back-up insulation.

---

**Product  
Advantages**

- Shot-free
- Low thermal conductivity
- Easy to apply
- Lightweight and flexible
- Available in a wide range of thicknesses and roll sizes
- Exonerated refractory materials are in accordance with the European Directive 97/69EC on Classification, Packaging, and Labelling of Dangerous Substances

## Approved Applications

RF1000P is used for cut or preformed gaskets, seals, heat shields, or to be applied as general back-up insulation.

## Physical Properties

Property	Units	Typical Value
Density	kg/m <sup>3</sup>	180
Tensile Strength	MPa	1
Loss on ignition	%	11
Linear shrinkage @ 1000 °C	%	4
Thermal Conductivity	W/mK	0.06 @ 200 °C
		0.10 @ 400 °C
		0.15 @ 600 °C
Classification Temperature	°C	1000
Colour		White

## Sizes

Rolls of 500, 610, 1000 or 1220mm width in 10-20m length. Thickness 2-6mm.

## Tools

Knife or Die Cutting

## Storage

- To be stored in original packaging in a dry location, and maintain a dry area. Always use sealed and clearly labelled containers
- Avoid damaging containers
- Reduce dust emission during unpacking
- Emptied containers, which may contain debris, should be cleaned before disposal or recycling



# FIREFLY RF1000P

---

**ARCLEX**

**FEROFORM**

**FIREFLY**

**NITRASIL**

**REFEL**

**REFRACTORY  
PRODUCTS**

**REFRAVER**

Tenmat Wear Ltd  
Northbanks Industrial Park  
Frank Perkins Way, Irlam  
Manchester  
M44 5EW United Kingdom

[htsales@diamorph.com](mailto:htsales@diamorph.com)

UK: +44 161 4702689

USA: +1 302-6884990

Czech Republic: +420 378 010 910

[tenmatwear.com](http://tenmatwear.com)



**Advanced materials.**  
[tenmatwear.com](http://tenmatwear.com)

Tenmat Wear warrants the materials it produces will conform to Tenmat Wear 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 Wear 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 Wear 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 Wear 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.

