



FIREFLY RF1000S

FIREFLY RF1000 grade products are used as the insulation in crucibles, transport ladles and launder systems ensuring cost effective maintenance of liquid metal temperature for long periods of time.

Product
Description

RF1000S is used in cast houses world wide to control the flow of molten aluminium out of the holding furnace. RF1000S is ideal as it is not overly rigid, allowing it to be plugged into any hole size/shape. This is a key feature as more rigid materials will likely induce leakage from the holding furnace.

Product
Advantages

- Shot free
- Non-combustible
- Non-wetting
- Non-smoke and Non-fuming
- Non-ceramic, 100% exonerated fibres
- Very high strength-to-weight
- Low Thermal Conductivity
- Excellent insulation properties
- Thermal Shock Resistance
- Resistant to Molten Metals
- Temperature Resistance up to 1000 degrees C
- Available in 3D shapes

Approved Applications

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Physical Properties

PROPERTY	UNITS	TYPICAL VALUE
Density	kgm ⁻³	240
Classification Temperature	°C	1000
Colour		Grey/Green
Linear Shrinkage 24 Hrs	% @ 1000 °C	4
Coefficient of Thermal Conductivity	Wm ⁻¹ K ⁻¹	0.06 @ 200 °C
		0.07 @ 400 °C
		0.08 @ 600 °C
		0.1 @ 800 °C

Sizes

Sheets of 0.5m x 1m, thicknesses of 5, 10, 15, 20, 25, 40 and 50mm

Storage

To be stored in a dry location Take care not to exceed safe working loads and heights for storage shelves and racks

Working Life

Dependent on operating conditions

FIREFLY RF1000S

ARCLEX

FEROFORM

FIREFLY

NITRASIL

REFEL

**REFRACTORY
PRODUCTS**

REFRAVER

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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.

