Tenmat Wear

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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.

High Temperature Performance Materials

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

RF1000s is used as the insulation in crucibles, transport ladles and launder system.

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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