

High Temperature Insulation



TENMAT FIREFLY CS1150 S products are manufactured from 100% exonerated Alkaline Earth Silicate (AES) fibres, with proprietary high temperature bonding agents.

CS1150 S offers excellent thermal insulation combined with superior resistance to wetting by ferrous and non-ferrous molten metals.

CS1150 S is available in many board sizes up to 1.7" thickness, and can be preformed in three

dimensional shapes. Accurately machined parts can also be produced. The products offer low thermal conductivity and superior resistance to thermal shock.

TENMAT FIREFLY materials are classed as non-hazardous under EU regulations, and thus can be disposed of in non-hazardous landfill - unlike competitor products containing Refractory Ceramic Fibre (RCF).

PROPERTY	UNITS	TYPICAL VALUE
Density	kg / m ³	425
Classification Temperature	°C	1,150
Colour		White
Flexural Strength @ Ambient	MPA (Ambient)	2.5
Linear Shrinkage 24 Hrs	% @ 1000 °C	2
Coefficient of Thermal Conductivity		
@ 200 °C		0.07
@ 400 °C	W / mK	0.08
@ 600 °C		0.09

The information contained in this data sheet is presented in good faith. They are typical test results tested generally in accordance with BS, ISO and ASTM test methods and should not be used for specifications. **TENMAT** does not warrant the conformity of its materials to the listed properties or their suitability for any particular purpose.

For further information please contact our Technical Sales Department on +44 161 872 2181.