



FIREFLY FF1125 for Rollers

Tenmat FIREFLY FF1125 is a specially designed alkaline earth silicate fibre millboard product for extreme temperature applications in metallurgical industries.

**Product
Description**

Tenmat FIREFLY FF1125 is a specially designed alkaline earth silicate fibre millboard product for extreme temperature applications in metallurgical industries. FIREFLY 1125 cladding for steel rollers is made of a unique blend of high performance refractory fibres, designed to meet the extremely high temperature demands of the steel industry. FIREFLY FF1125 has been developed to combat the high temperature wear problems associated with roller coverings in steel strip manufacture. Red hot steel requires special handling to avoid surface imperfections during the cold rolling process. Tenmat in collaboration with major steel works around the world has engineered a solution to cover rollers, that is able to withstand the high temperatures of this arduous application and improving the overall quality of the steel.

**Product
Advantages**

- Excellent Thermal Resistance
- High Resistance to Cracking
- Non-Hazardous Under EU Regulations
- Low Density
- Proven Performance
- Suitable for Applications up to 1,300°C
- Very Low Shrinkage up to 1,300°C
- Low Thermal Conductivity

Technical Data

Property	Units	Typical Value
Density	kg/m ³	900
Flexural Strength	MPa	8
Tensile Strength	MPa	3
Moisture	%	1
Linear shrinkage @ 1000 °C	%	1.5
Compression @ 21 Mpa	%	30
Thermal Conductivity	W/mK	0.1
Classification Temperature	°C	1100
Colour		White

Approved Applications

Approved as a cladding for steel rollers

Sizes

thickness: 2, 3, 4, 5, 6, 8, 10, 12mm

Tools / Safety Equipment

MSDS with safety considerations are available upon request

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.

Packaged in card cartons, Millboards 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 FF1125

for Rollers

ARCLEX

FEROFORM

FIREFLY

NITRASIL

REFEL

**REFRACTORY
PRODUCTS**

REFRAVER

Tenmat Ltd
Ashburton Rd West, Manchester
M17 1TD United Kingdom

+44 161 872 2181
info@tenmat.com

tenmat.com



Advanced materials.
tenmat.com

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.