

Ceramic Fiber Module



Datasheet Code 5-5-01 E

MSDS Code 104-9-EURO REACH

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DESCRIPTION

Ceramic fiber modules are made from high quality needled Blanket, Edge staked (or) Folded with various anchors and other accessories to enable quick, convenient and efficient installation in most furnace linings.

These prefabricated modules are designed to meet the thermal insulation requirements of high temperature furnaces.

Modules are made from ceramic fiber, pre-compressed to a specific density, and held in position with the suitable anchors/accessories.

During installation, the modules are further compressed, the resilience of the fiber and recovery ensure tightly-compressed inter-modular joints

TYPE

Refractory fiber blankets in modular form

CLASSIFICATION TEMPERATURE

Veneering	: 1260 °C / 1425 °C
Saber bloc-I & III	: 1260 °C / 1425 °C
Pyrofold "M"	: 1260 °C / 1425 °C
Pyrobloc	: 1260 °C / 1425 °C
Z – Bloc II & III	: 1260 °C / 1425 °C
Convuluted	: 1260 °C / 1425 °C
Strip Modules	: 1260 °C / 1425 °C
Edge grain Modules	: 1260 °C / 1425 °C

AVAILABILITY

Standard sizes

300mm Thick X 300 mm width X 300 mm length

FEATURES

- Faster insulation
- Reduced shrinkage compared to layered lining
- Low heat storage
- Superior to thermal stability and shock resistance
- Resilient blanket resistant to mechanical damage
- Versatile and can be easily cut in the site to suit awkward configurations

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APPLICATIONS

- High temperature furnace
- Kiln and Heater linings
- Coil annealing furnaces
- Reheat furnace door linings
- Process heater lining
- Ammonia reformers and crude oil heater linings
- Shuttle and Tunnel Kiln

MAJOR PROPERTIES

Density	kg/m ³	>160	
Chemical Composition (IS:12107/XRF)		1260°C	1425°C
Al ₂ O ₃	%	42 – 46	33 – 37
SiO ₂	%	52 – 58	48 – 52
ZrO ₂	%	-	13 – 17

Availability and Packaging

The modules can be made with other sizes and densities are available on request

The values given herein are typical values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Thermal Ceramics office to obtain current information.

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