

CERAMIC FIBRE MODULES

Murugappa Morgan Thermal Ceramics Ltd., Associate company of Murugappa Group



During installation, the modules are further compressed, the resilience of the fibre and recovery ensuring tightly-compressed inter-modular joints.

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.
- The resilient blanket is resistant to mechanical damage
- It is versatile and the modules can easily be cut, on the site to suit awkward configurations

APPLICATIONS

- High temperature furnace
- Kiln and heater linings
- Coil annealing furnaces
- Re heat furnace doors lining
- Process heaters lining
- Ammonia reformers and crude oil heaters lining
- Shuttle kiln
- Tunnel kilns

TYPE: Refractory fibre 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
Convolutod	: 1260 °C / 1425 °C
Strip Modules	: 1260 °C / 1425 °C
Edge grain Modules	: 1260 °C / 1425 °C

DESCRIPTION

Ceramic fibre 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 fibre, pre-compressed to a specific density, and held in position with the suitable anchors/accessories.

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MAIN PROPERTIES

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

Dimensions & Availability

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

All above modules are subjected to standard tolerances. The values given herein are typical values obtained in accordance with accepted test methods and 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.