

Z-Blok Module



Datasheet Code 5-5-01 E

MSDS Code 104-9-EURO REACH

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DESCRIPTION

Z-Blok refractory fiber modules are lightweight, insulating linings made in block form for direct attachment to industrial furnace and kiln shells. Z-Blok Modules are made from high quality needled Blanket, pre-compressed to a specific density, and held in position with stainless steel reinforcement and mounting hardware made up of beams positioned within the folds and connected by tabs to a channel on the cold face of the Z- Blok . These prefabricated modules are designed to meet the thermal insulation requirements of high temperature furnaces.

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

Z - Blok Module : 1260 °C & 1425 °C
Z - Blok III Module : 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
- Versatile and be easily cut on the site to suit awkward configurations
- Low heat storage
- Superior thermal stability and shock resistance
- Resilient to mechanical damage

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 Kilns

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MAJOR PROPERTIES

Density kg/m ³ (Dried)	>160
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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

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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