



MaxBlock MacroModules

Monolithic Ceramic Fiber Panels

MaxBlock MacroModules are customized prefabricated monolithic ceramic fiber panels. **MaxBlock MacroModules** are available in a variety of sizes and configurations that provide an efficient and cost-effective solution for virtually any thermal management challenge.

MaxBlock MacroModules system is offered in three different temperature grades:

- **MaxBlock 2200 MacroModules** are a Low Biopersistent (LBP) 2200°F (1200°C) rated product
- **MaxBlock 2300 MacroModules** are Refractory Ceramic Fiber (RCF) based and rated to 2300°F (1260°C)
- **MaxBlock 2600 MacroModules** are Refractory Ceramic Fiber (RCF) based with an enhanced chemistry for applications up to 2600°F (1425°C)
- **MaxBlock 3000 MacroModules** utilize Polycrystalline Wool (PCW) for use in applications up to 3000°F (1650°C)



Fig.1 **MaxBlock MacroModules** - Steel Furnace Application

Customer Advantages

- Customized Design
- Pre-Assembled to the Necessary Specifications, Density, etc.
- Fast Installation/Assembly
- Minimal Downtime and Increased Productivity
- Thermal Efficiency Resulting in Energy Savings
- Essentially No On-Site Labor Component to the Overall Project Cost

Key Features

- Low Thermal Conductivity (High Insulating Value)
- Low Heat Storage and Heat Loss
- Immunity to Thermal Shock
- High Temperature Capability
- Lightweight Construction
- Monolithic Construction

Visit nutec.com for more information

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MaxBlock MacroModules use an anchoring method so that each fold of blanket is completely secured to the support steel structure. This represents the highest anchor density possible and makes the product form very well suited for high vibration applications.

For high flux exposure or high velocity applications, **MaxBlock MacroModules** can be supplied with a hot face coating of **MaxPlate**. **MaxPlate** is a unique very high temperature coating product which provides superior performance in these environments. Lining life can be significantly increased with the incorporation of this coating material.



Fig. 2 **MaxBlock MacroModules** - Ceramic Kiln Application

Common Applications

- Ladle Covers
- Tundish Covers
- Trough Runner Covers
- Ladle Pre Heat Stands
- Aluminum Smelter Roof
- Panelized Furnace Construction
- Furnace Doors
- Exhaust Ductwork and Flues

Density Range (PCF)

8 to 14 PCF

Lining Thickness

4" to 12" Standard; Custom Lining Options Available

Construction Options

- Folded Hot face Surface
- Edge Grain Hot face Surface



Fig. 3 **MaxBlock MacroModules** - Panelized Roof Construction

Custom Modules

NUTEC's experienced Application Engineers can evaluate each application requirement and fully design a Macro Module system accordingly.

Contact one of our Distributors, Regional Sales Offices or Application Engineering Group to get started.

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