

MSSI Refractory Products' UltraBloc™ Custom Engineered Panels combine the thermal benefits of ceramic fiber with the labor savings of a modular prefabricated design. Our UltraBloc™ panels are made using various grades of ceramic fiber materials which can be specifically designed to fit any unique application and temperature range. Using the "spun" process the fibers yield long, flexible, high tensile strength fibers for maximum durability. The various grades of fiber used can range up to 3000° degrees Fahrenheit for the most extreme applications.

UltraBloc™ panels are custom engineered for the customer's specific application. Every panel is designed to minimize joints in the fiber lining and maximize the compression between fiber layers; yielding lining densities of a minimum 12 pounds per cubic foot. Fibers are chosen based upon temperature limits for each application to ensure maximum life and performance. Additionally, UltraBloc™ panels save on installation labor by providing a completely insulated piece, that is anchored by MSSI Refractory's propriety wall anchoring system.

PRODUCT FEATURES

- More resistance to mechanical abuse than traditional modules
- Minimal shrinkage compared to traditional fiber module installations
- Low thermal conductivity
- Minimal low heat storage
- High tensile strength
- Thermal shock resistance
- Material contains no binder, eliminating fumes or furnace atmosphere contamination
- Contains no asbestos
- Requires no curing or drying

APPLICATIONS

Steel Industry Applications

- Ladle and tundish preheaters
- Ladle and tundish covers
- Heat treating and annealing furnaces
- Furnace door linings and seals
- Soaking pit covers and seals
- Furnace wall repairs

Other Industrial Applications

- Car bottom furnaces
- Continuous and batch kilns
- Complete forging and tempering furnace relines
- Insulation of commercial dryers and ovens
- Stress relieving applications
- Petrochemical applications
- Safety barriers and heat shields

