



## THE THERMBOND COMPOSITE ADVANTAGE

Thermbond® Composite is a family of products designed for furnace applications where high strength and thermal efficiency are desirable. Thermbond Composite Products incorporate the unique physical properties of Thermbond® Refractories and the insulating characteristics of vacuum formed ceramic fiber. *The Thermbond Composite Advantage* translates into **superior thermal efficiency, durability, and easy installation.**

FEATURE	PROPERTIES AND BENEFITS
<b>COMPOSITE CONSTRUCTION</b>	The specially formulated Thermbond fireface is a dense, 3000°F (1650°) refractory bonded to a high temperature insulation back-up lining. <b>Thermbond Composite Products eliminate the erosion effects of high gas velocities and maximize furnace thermal efficiency.</b>
<b>SELF-SUPPORTING</b>	The stainless steel anchoring system is totally independent of surrounding furnace refractory. <b>Thermbond Composite Products are suitable for any type of new or existing furnace lining, including ceramic fiber, IFB or refractory castable walls.</b>
<b>PROTECTED ANCHORING SYSTEM</b>	The anchoring system is thermally protected from elevated furnace temperatures to maximize long term stability. The superior anchor design <b>reduces oxidation, metal fatigue, and the potential for failure due to thermal stresses.</b>
<b>EASY NEW INSTALLATION OR RETROFIT</b>	One piece design is suitable for any furnace wall thickness without the need for expensive mechanical support mechanisms. <b>Thermbond Composite Products can be installed new or during furnace retrofits without concern for damaging or disturbing the existing furnace lining.</b>
<b>FAST DRY-OUT AND RAPID HEAT-UP</b>	The unique advantage of Thermbond refractory allows for much faster heat up rates to operating temperatures. <b>Thermbond increases productivity and saves the time and cost required for thermal dry-out of conventional refractory.</b>
<b>THERMAL SHOCK RESISTANT</b>	Thermbond Composite Products withstand the stress of repeated thermal cycling, resulting in <b>lower maintenance costs, reduced downtime, and increased production.</b>

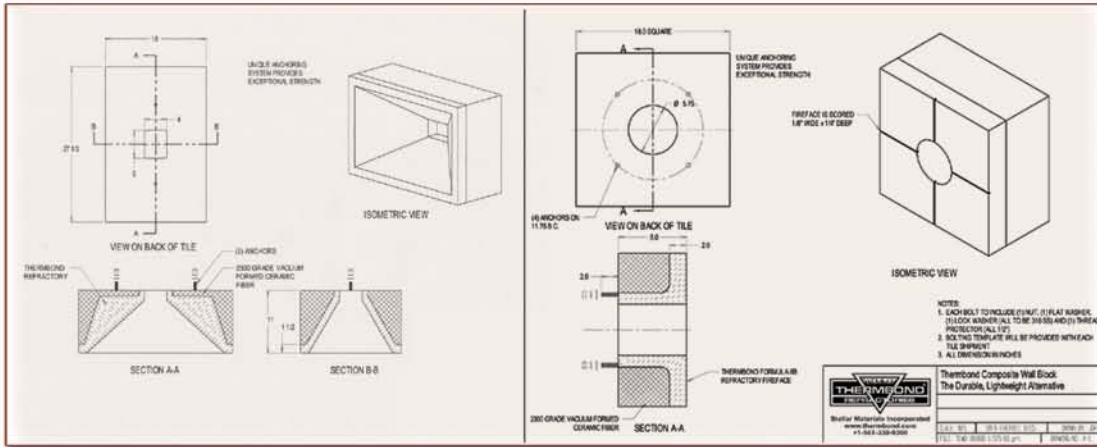
***Please contact Stellar Materials to discuss your specific application requirements.***

***See reverse side for product capabilities.***

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## COMPOSITE PRODUCTS CAPABILITIES



Stellar engineers your wall block and peep door surround to your exact specifications.



Stellar insures the highest level of quality control in the manufacturing process.



Thermbond Composite Products deliver superior thermal efficiency, durability and ease of installation.