



FB Board

Specifications and Installation Instructions

Description

FB Board is ideal for use as an insulator underneath pizza ovens and brick ovens. It is a high strength, high efficiency Alumina Silicate board originally designed for industrial applications, such as aluminum melting and holding furnaces. One 2" thick layer of FB Board panel reduces the 800°F cooking floor of a pizza oven to roughly 170°F at equilibrium, making it roughly twice as efficient as pure Vermiculite board, and even more efficient than castable Vermiculite and Portland cement mixes.

Properties

- Easy to install and to work with;
- Light weight; easy to ship and handle;
- Easy to cut;
- High compression strength to support pizza ovens and brick ovens.

Mechanical

Size: 24"x36"x2"

Weight: 20 lbs.

Technical Characteristics

Maximum Service Temperature	2300°F
Bulk Density (lbs/cu. ft.)	19
Compression strength (Mpa) Thermal Shrinkage 10%	0.5

Thermal Conductivity

400°C	0.085
800°C	0.132
1000°C	0.189
Linear Reheat Shrinkage @ 1000°C	3%

Chemical Analysis

AL2O3	46%
AL2O3+SIO2	97%
Fe2O3	<1.0%
Na2O+K2O	<0.5%



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Installation

Always use a breathing mask and gloves when working with any type of ceramic insulation.

You can cut FB Board with any type of saw.

Cut and assemble your FB Board pieces to fit under the cooking floor and dome of your oven. Push the pieces of board tightly together, resting directly on the concrete hearth slab. You do not have to glue or mortar the boards, as the weight of the oven (and gravity) will hold them in place.

If you have just poured your concrete hearth, you can set FB Board on top of wet concrete. It will absorb some water, but it will remain structurally sound.

If your oven's instructions call for mortaring the cooking floor pieces in place (including the Forno Bravo Casa, Premio and Ristorante), take care to make sure the oven floor piece and the FB Board was wet before you apply the mortar (such as Refmix). Make sure to dampen the FB Board, but do not add enough water to make large puddles. Again, the FB Board will absorb water and remain structurally sound. Keep the floor pieces and mortar (Refmix) damp while the mortar cures.