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THERMBOND®

A family of Engineered Castable Refractories



Thermbond® castable refractories are a two part system, dry formulation (bag) and liquid activator (jug) blended together to form a unique Ionically Bonded Refractory.

Thermbond® Formula Nine Series is a 54% alumina superduty formulation rated to 3000°F. It is a medium weight, 150#/cu.ft. density, thermal shock resistant, alumina-based refractory with excellent resistance to alkali and reducing atmospheres for replacement or repair of conventional superduty refractories. Ideal applications include precast shapes for low to medium frequency induction heating coils, induction heating furnace shapes, superstructure repairs above the metal line in aluminum furnaces, burner blocks, furnace doors, hot air furnaces and boilers.

Thermbond® Formula Six Series is a 60% plus alumina-based mullite formulation rated for 3000°F. It is suited for linings and precast shapes requiring higher alumina content and

resistance to reducing atmospheres, alkali environments, and thermal shock. Ideal applications include burner blocks, weirs, coke oven door plugs, nose ring linings, low to high frequency induction heating coils, precast shapes for induction furnaces, hot air furnaces, bottom ash pits, aluminum furnace jambs, lintels and boilers.

Thermbond® Formula Five Series is an 85% plus alumina-based formulation rated for 3000°F. The Formula Five Series is specifically designed for molten aluminum and zinc contact. Its non-wetting properties assure cleaner surfaces, less maintenance and longer lining life.

Thermbond® Formula Four Series is an 86% plus alumina-based formulation rated for 3100°F. The Formula Four Series is a very dense castable for applications requiring high purity and high strength such as aluminum and reheat furnace perimeters, high wear areas and contact with molten stainless steel, carbon steel or ductile iron.

Thermbond® Castables!!!

- Sets in less than one hour
- Bonds to existing linings without mechanical anchoring
- Non-wetting properties without additives
- Rapid fire-in cycles
- Patented binder system

INDUSTRIES SERVED

- | | | | |
|-----------------|--------------------|------------------------|---------------------------|
| ☞ Refining | ☞ Non-Ferrous | ☞ Zinc | ☞ Precast Manufacturing |
| ☞ Rock Products | ☞ Die-Casting | ☞ Boiler Manufacturing | ☞ Mineral Processing |
| ☞ Chemical | ☞ Power Generation | ☞ Primary Aluminum | ☞ O.E.M. Furnace Builders |
| ☞ Steel | ☞ Incineration | ☞ Secondary Aluminum | ☞ Cremation |

