

STELLAR'S UNIQUE PRODUCT LINE

Bulletin 0029

All Industries

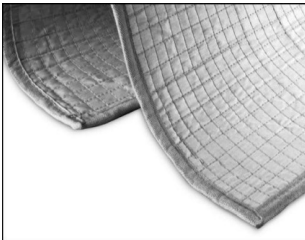
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MAFTEC - Polycrystalline Alumina Fiber

MAFTEC® - Mitsubishi Alumina Fiber Technology was developed in the 1980's by Mitsubishi Plastics Inc. for long term high or cyclic temperature operation. MAFTEC® "Polycrystalline Alumina Fibers" exhibit excellent thermal stability, resiliency, erosion resistance and mechanical strength at temperatures to 1600°C - 2912°F.

- 1% Shrinkage at 2912°F
- Mullite Fiber
- Light weight 2900°F refractory - 8-10#
- Easy to install & maintain



DynaGuard™ - Microporous Insulation

A unique combination of structural fibers, particulate fillers and opacifiers that create an unparalleled insulating product with very low thermal conductivity. DynaGuard™ microporous insulation is a superior solution for very low thermal conductivity requirements at high temperatures. DynaGuard™ is inorganic, binder-free and does not release any toxic/hazardous gases.

- Extremely low thermal conductivity
- Reduced heat loss
- Superior handling
- Non-gassing, no hazardous materials or RCFs



FIBERSTONE - Wire Fiber Reinforced Ceramic Composite - Precast System

FIBERStone is a combination of high temperature ceramic materials and specially alloyed stainless steel fibers. It is supplied as a precast shape specially engineered for your application. FIBERStone is very effective as a replacement for metal parts that are destroyed by process heat and a wide variety of molten metal contact applications.

- Excellent Thermal Shock resistance
- High Mechanical Impact tolerance
- Competitive with short service life refractory or metal fabricated systems cost



THERMBOND® - Phos bonded castable

Thermbond® is a two part system (dry formulation and liquid activator), that when added together form a unique Ionically Bonded Refractory. Thermbond® inhibits penetration of molten metal, dross and slag, resists thermal shock and adheres permanently to itself and other surfaces.

- Pre measured units
- Rapid curing
- Rapid heat-up
- Thermal Shock Resistance
- Bond Strength - no lamination between existing refractory and Thermbond



CERAMITE® - High Performance Wear Resistant Refractory

Ceramite® is a family of advanced ceramics incorporating inorganic composite materials and densely packed micro particles. Ceramite® is formulated to yield high abrasive wear resistance, excellent mechanical strength, resistance to high temperature and thermal shock conditions. Ceramite® is supplied as custom cast, hi-fired shapes or as a trowellable formulation for on-site application.

- Superior Abrasion resistance
- Easy to install
- Trowellable system
- Monolith finish replaces ceramic tile



STELBOLT™

STELBOLT™ is a high-fired refractory shape that easily penetrates ceramic fiber linings existing in wallpaper, modules or board construction. STELBOLT™ was designed to both repair and compliment existing light weight insulating furnace linings. For repairs, a blanket patch can be placed over a damaged area and very simply the STELBOLT™ is drilled or ratchet driven through the new hot face and into the back up lining. No mark-out required, simply STELBOLT™ as required.

- No Tear-Out
- No Disposal
- No Mark-Out Required
- No Downtime
- Only tools needed are a drill or ratchet and StelBolt™

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