

Ceramite® Aluminum Furnace Blocks

Superior Performance in Wear Resistant Applications

Bulletin 0127

Aluminum Industries

09/04



Typically 36" x 36" x 10"



Identify Specific Wear Areas



Easily Placed

Furnace Lining Applications

Ceramite® Aluminum Furnace Blocks are engineered, high fired shapes designed to fit specific high wear areas within furnaces. They are being used in aluminum furnace hearths, ramps and belly bands. Ceramite® is a blend of bauxite and silicon carbide aggregates blended with hi-purity cements, modifiers and micro-silica.

Aluminum Furnace Blocks were first installed into a furnace in November 1997. After two years the blocks showed no wear. In July 2002 the blocks were last inspected four and one half years after installation and the blocks showed a smooth surface with minimal wear.

Currently, there are seventeen furnaces using Ceramite® BCR-B with the number growing monthly.

There has never been a Ceramite® Aluminum Furnace Block replaced. The first installation was November 1997. Can you make that statement about any aspect of your melt furnace at or below the metal line? We want to improve your furnace refractory life. Please tell us your furnace wear and abrasion problems and let's get these in place.

Ceramite® Furnace Blocks

- ↗ Reduce furnace downtime
- ↗ Increase furnace metal capacity
- ↗ Eliminate impact and erosion



Area 6' x 9'



Joints are Grouted



Two Years Later - No Wear

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 |