

Ceramite® CSA Tapping Trough Section At A Major Secondary Aluminum Processor

Superior Performance in Wear Resistant Applications

Bulletin 0134

Aluminum Industries

07/04

Ceramite® is a group of advanced castables exhibiting unique properties, such as extreme accuracy of casting, high abrasion wear resistance, mechanical strength, good resistance to high temperature and resistance to thermal shock conditions. Ceramite® is easy to mix, cast and shape in any size and is easy to work with in-situ, using the trowellable formulation.

Properties & Qualities

- ✦ Ceramite® exhibits ultra-high wear properties and mechanical strength.
- ✦ Ceramite's® high density provides low porosity against chemical attack and gases.
- ✦ Ceramite® provides unique heat resistance with temperatures up to 2200°F (1204°C).
- ✦ Ceramite® is a technology adapted to high quality blends of bauxite and silicon carbide aggregates.

✦ Ceramite® increases the operating lifetime of refractory and metallic parts.

The "Before Service" photo is our Ceramite® CSA formulation, approximately 75% silicon carbide, used for the highest wear troughing sections in your operation. The sections are high fired and ready for service when you receive them. These troughs were installed in August 2003 and were removed in January 2004, the "After Service" photo shows essentially no wear. Previous refractory materials covering a wide range of qualities were replaced after 4 to 6 weeks due to wear. The troughs receive aluminum from a round top charge melter, processing can stock, at the taphole several times daily. These troughs were subjected to 176,000,000 lbs. of metal during the five month period.

LITTLE OR NO WEAR!!

There is nothing that will outperform Ceramite® CSA in this application. Call Us!!!



Before Service



After Service

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 |

STELLAR CANADA INC. 



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