

Ceramite® Trowellable

St. Lawrence Cement - Coal Classifier

Superior Performance in Wear Resistant Applications

Bulletin 0135

Cement Industry

05/04



March 2003 - trowellable installed



March 2004 - NO WEAR



Ongoing tile loss - now repaired with Ceramite® as ongoing system



Ceramite® Trowellable installation complete - FAST, EASY, EFFECTIVE

Ceramite® is a group of advanced castables exhibiting unique properties, such as extreme accuracy of casting, high abrasive wear resistance, mechanical strength and good resistance to high temperature, 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.

Trowellable

Ceramite® Trowellable can be installed using "V" anchors, anchor/mesh combinations or whatever has been used

previously. The quality of anchor and mesh is normally carbon steel. Ceramite® Trowellable qualities have been used to replace hardened steel, fused cast basalt, rubber liners and ceramic tile. **The key feature of Ceramite® Trowellable is the elimination of any and all joints that are the area first attacked by abrasive conditions.**

Significant Attributes

- ↗ High abrasion and corrosion resistance
- ↗ Trowellable can be installed overhead
- ↗ Seamless linings
- ↗ Will conform to whatever shape is required
- ↗ ½" - 1 ¼" thicknesses are sufficient

St. Lawrence Cement One Year Later NO WEAR

"After" Photographs taken on March 25, 2004.

Grey monolithic area 3 tiles wide by 1 tile high is the Ceramite® installed March 2004.

The darker patch is another material that was installed 2004 as well as 2003.

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 |