

Ceramite® Trowellable Scrubber

Superior Performance in Wear Resistant Applications

Bulletin 0148

All Industries

06/05

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® cast, hi-fired shapes are designed and produced to your specific application. A Ceramite® Trowellable formulation is available for on site application to replace missing ceramic tile or other worn-out abrasive resistant materials.

Properties & Qualities

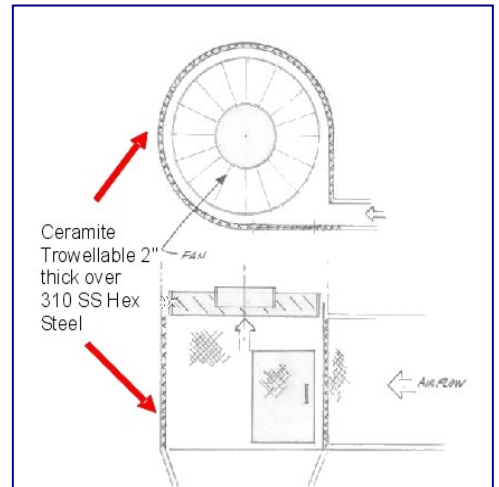
- ☞ Ceramite® is a technology adapted to high quality blends of bauxite and silicon carbide aggregates.
- ☞ Ceramite® Trowellable provides unique heat resistance with temperatures up to 1000°C (1832°F).
- ☞ Ceramite's® high density provides low porosity against chemical attack and gases.
- ☞ Ceramite® exhibits ultra-high wear properties and mechanical strength.
- ☞ Ceramite® increases the operating lifetime of refractory and metallic parts.

These photos detail the schematic design of particulate scrubbers of ore processing rotary kilns. Stainless steel hex mesh has been used previously to retain plastic refractory, gunited formulations and castables. Normal life of the system was 6-12 months. Ceramite® Trowellable was hand packed/trowelled into the same hex mesh a total of 2½". After 12 months the system showed practically no wear.

Significant Achievements

1. Plant production/ maintenance personnel confirmed that previous abrasion resistant products in the scrubber and the hex mesh would have worn completely to the shell during this period.
2. Installation personnel prefer Ceramite® Trowellable over all other abrasion resistant products stating "Ceramite® is faster & easier to install".
3. Excellent results have developed a positive customer confidence resulting in several pallet orders in this same facility.
4. A trial will be installed replacing the stainless steel hex mesh with conventional anchoring systems substantially reducing costs.

**NOTHING HAS PERFORMED
LIKE CERAMITE®!**



The 2" Ceramite® Trowellable lining is retained on 1" opening 310 SS hex mesh.



Ceramite® Trowellable retained on 1" opening 310 SS hex mesh. Solves corner and opening wear problems.

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 |