



APPLICATION REPORT

Round Top Melting Furnace Bellyband Replacement

Industry: Aluminum

Description of Equipment: 20 foot diameter round top melting furnace.

Problem: Refractory bellyband was worn out due to chemical and mechanical attack.

Solution: Replace the bellyband with Thermbond Formula 2104-L cast refractory material.



Product Being Replaced: Conventional refractory.

Savings Using Thermbond: Improved protection against chemical and mechanical attack at the bellyband.

Products Applied: Thermbond Formula 2104-L

Method of Installation: Casting

Equipment Used: Horizontal paddle mixer, pneumatic pencil vibrator, pneumatic activator pump

Scope of Work: Complete rebuild of Furnace, a 20' diameter round top melting furnace. Thermbond Formula 2104-L installed in bellyband section, measuring 18" high x 11" thick around the complete diameter of the furnace with the exception of the charge ramp area. The 2104-L bellyband is backed up by 7" of conventional castable refractory. The installation required 192 units of Thermbond Formula 2104-L material packaged in 12 – 16 unit super sacks. Installation performed by in house maintenance personnel with support from the Stellar Materials installation support team.

Installation Date: Jan 8, 2010

Follow Up: Material performance will be monitored every quarter.