



PRODUCT SHOWCASE

Highly Durable Refractory Solutions with Quality Results

Exceptional Thermal Shock Resistance With Rapid Bake-Out For A Faster Return to Operation

Product: Pligun / Plicast Fast Track TS LC Service

Temperature Limit: 2500°F

Shelf Life: 6 months

Third-Party Testing: Properties Verified per API 936

Product #: 3203 & 3204

Installation Method: Gunning / Casting or Pumping

Industries: Steel, Aluminum, Kilns, Off Gas,
Mineral Processing, Incineration, Boilers

Best Applications: Engineered for demanding industrial applications where rapid temperature changes can cause cracking, spalling, and premature refractory failure. They are especially well suited for applications requiring high thermal shock resistance, dimensional stability, and rapid bake-out. Typical applications include:

1. Car bottom, annealing and homogenizing furnaces - bases and perimeter blocks
2. CFB Boilers - J-bend and seal pot
3. Incinerators and thermal oxidizers - quench chambers
4. Mineral Processing Kilns - alumina and aggregate calcining
5. Stripper Coolers
6. Precast Shapes - including burner cones and piers - various industries

Product Information: Built to withstand thermal shock. Engineered to get equipment back into service faster. Pligun® Fast Track TS LC and Plicast® Fast Track TS LC are **thermal-shock-resistant, low-cement refractories engineered for rapid bake-out and demanding thermal-cycling applications.**

A specialized **fused silica aggregate system combined with a mullite matrix** provides exceptional resistance to thermal shock while delivering improved strength and physical performance compared with conventional single-aggregate fused silica thermal-shock-resistant castables.

The result is a refractory system designed to better withstand the repeated expansion, contraction, mechanical stress, and temperature swings that can lead to cracking and premature lining failure - while providing the rapid bake-out capability needed to help reduce turnaround time and return equipment to operation sooner. Performance advantages include:

- **Exceptional thermal shock resistance** for severe, repeated temperature cycling
- **Rapid bake-out** to support quicker installation and faster return to service
- **High hot strength across a broad temperature range**
- **Low abrasion loss (9.8 cc)** for improved wear resistance in high-wear applications
- **Low thermal expansion** with strong crack and fracture resistance

[Technical Data Sheet](#)

[Safety Data Sheet](#)

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