



Aluminum Processing

Effective and Economical Refractory Products Designed to Reduce Downtime

Plibrico is a major supplier of monolithic refractory materials for the aluminum industry. Our unique refractory materials and gun mixes are designed to withstand the environments in aluminum die cast and reverb furnaces, and transfer equipment including troughs, launders and ladles.

Al-Tuff® Non-Wetting Refractories

Plibrico was the *first* to introduce a complete line of non-wetting aluminum contact castable refractories. Our Al-Tuff series of non-wetting refractory materials were designed specifically to provide an effective and economical solution for aluminum applications. The Al-Tuff series features products that are modified with a non-wetting additive for aluminum contact. The modified surface increases wetting resistance and reduces the potential for oxidation reduction.

Al-Shield™ Castable Refractories and Gun Mixes

Plibrico also offers Al-Shield castable refractories and gun mixes designed and engineered specifically for high-temperature and aggressive aluminum alloys and contact areas. Al-Shield refractories contain aluminum-resistant additives that create a barrier – the additive compound reacts with aluminum to form a dense barrier layer. Our Al-Shield refractories provide longer service life that results in less downtime.

Phosphate-Bonded Refractories and Gun Mixes

To complement our Al-Tuff and Al-Shield series of aluminum contact materials, Plibrico also has phosphate-bonded castables, gun mixes and plastic materials suitable for metal contact and all other areas in an aluminum furnace. Plibrico's Exo-Set™ UNO series of castables and gun mixes are single component, "just add water" phosphate-bonded mixes for quick, easy and safe installation.

Contact your local Plibrico *PliPartner* today for a FREE evaluation of your aluminum processing operations.

Plibrico Turnkey Refractory Solutions

Plibrico's experienced team of refractory specialists, or *PliPartners*, provides complete turnkey solutions for your unique aluminum applications. From quality refractory materials to installation, repair and design services, our nationwide network of *PliPartners* are your single-source for reliable refractory solutions.

Quality Refractory Materials



Plibrico will analyze your operations and recommend the best refractory materials to meet your most demanding thermal requirements. Our stringent quality control policy ensures that our refractories will perform with excellence.

Zero Lead Time Guarantee



Plibrico is the only major refractory materials provider that offers a *Zero Lead Time Guarantee* — we will ship your material when you need it or your freight is FREE.

Construction and Engineering



Our refractory engineers will work with you to recommend the best solution for your unique challenge. And, you can count on Plibrico's experienced installation and repair team to provide safe and efficient construction and maintenance services. We are committed to successfully completing your refractory project, no matter how large or small, on time and on budget.

Contact your local Plibrico *PliPartner* today to learn more about our refractory materials for aluminum processing.

