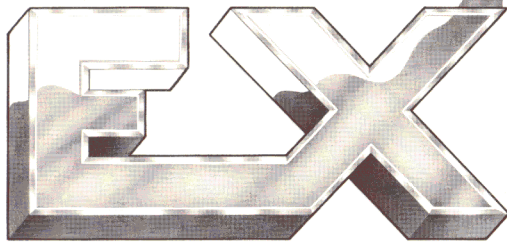


AL-TUFF®



**ALUMINUM NON-
WETTING REFRACTORY**

The next step for ALUMINUM DIE CASTERS

- **Excellent Resistance To Aggressive 360/380/390 Die Casting Alloys**
- **Exceptional Immunity To Oxide Build-up**
- **Extra High Hot Strengths**
- **Extensively Field Tested Over Three Years**

The operation of melting and/or holding furnaces is a vital part of your aluminum die casting operation. Without a dependable flow of molten aluminum to your die casting machines, you simply can't expect the efficiencies necessary to compete!

Consider the refractory linings in your furnace, holders, and metal transferring equipment. Refractory failure can take your whole line out of production and cost you... dearly. Whether you are changing alloys in your furnaces, or simply neglecting regularly scheduled furnace cleanings because of unexpected production increases, your link to trouble-free production is being challenged every day. AL-TUFF EX is uniquely designed to help you cope with these everyday realities.

The superior performance characteristics of AL-TUFF EX go well beyond what competitive products have only achieved in tame laboratory environments. Extensive field use with aggressive 360/380/390 alloys have proven AL-TUFF EX's non-wetting properties under severe conditions. More significantly, the ability to resist the penetration of oxides completely separates this family of products from all other aluminum non-wetting plastic and castable refractories.

EX stands up to the most aggressive die casting alloys, resists oxide penetration, and provides high hot strengths. With all of these benefits, backed up

by three years of field use documenting actual performance, Plibrico takes another technological step forward in molten aluminum containment refractories.

GENERAL PRODUCT FEATURES

PLIBRICO AL-TUFF 73 EX

A 75% high alumina, mullite based plastic refractory. Combines aluminum non-wetting characteristics, high density, and chemical bonding system to deliver high strength and thermal efficiencies at aluminum contact temperatures. Offers excellent resistance to abrasion and corrosive alloys in metal contact zones.

PLIBRICO AL-TUFF 86 EX

An 85% alumina class plastic refractory. Designed for molten aluminum contact applications, offering superior resistance to oxide penetration and build-up. High density, proprietary chemical bonding system, and high hot strength features.

PLICAST AL-TUFF 85 EX

An 85% alumina castable for severe molten aluminum contact applications. A dense, volume stable, low moisture castable that effectively resists oxide penetration while offering excellent hot strengths and abrasion resistance.

