

### ALSEY Exeter 70 WAS Air-Set Refractory Mortar

#### Description:

Wet Alumina Sulfate Bonded, 70% Alumina refractory mortar formulated to be used with High Alumina firebrick.

#### Sizes:

55lb plastic pail  
 {2A2100 = dipping}  
 {2A2150 = troweling}

#### Shelf

Life: Typical shelf life is 6-12 months depending on ambient indoor storage conditions. If too dry, water can be added and mixed in to attain the desired consistency provided the material has not dried in the container.



### TYPICAL TEST DATA -- PHYSICAL PROPERTIES

ASTM C-24  
 P.C.E ..... 37  
 Temperature Equivalent (melting), °F ..... 3308  
 Service Temperature (max. recommended), °F ..... 3100

ASTM C-20 after 2350°F  
 Apparent Porosity, % ..... 36.9  
 Apparent Specific Gravity, g/cc ..... 3.14  
 Bulk Density, lb/ft<sup>3</sup> ..... 123.7

ASTM C-198  
 Bonding Strength, psi  
 after 230°F ..... 226  
 after 2910°F ..... 2019

ASTM C-199—High Alumina  
 Pier Test at 3100°F  
 No flow from joints. No cracks or shrinkage.

### TYPICAL CHEMICAL ANALYSIS, Wt. % (calcined basis)

Silica (SiO<sub>2</sub>) ..... 30.68  
 Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>) ..... 65.54  
 Titanium Dioxide (TiO<sub>2</sub>) ..... 2.22  
 Iron Oxide (Fe<sub>2</sub>O<sub>3</sub>) ..... 1.02  
 Magnesium Oxide (MgO) ..... 0.12  
 Calcium Oxide (CaO) ..... 0.10  
 Other Oxides ..... 0.31

Total ..... 99.99

Loss on Ignition ..... 9.2  
 (As received basis; not included in calcined total.)

An SDS is available upon request

The above properties represent average results of typical data produced from standard ASTM test methods on a 9" straight. Specifications should not be considered guaranteed. Alsey Refractories Company makes every effort to ensure consistency in our products; however, properties may vary due to standard statistical manufacturing deviations. Alsey Refractories Company reserves the right to modify this data at any time without prior notice.

