PRODUCT DATA

ALSEY PILOT 3000-T AIR-SET MORTAR

A premium wet, air-setting, super duty 3000°F refractory mortar formulated to be used in a wide variety of refractory applications.

TYPICAL TEST DATA

CHEMICAL ANALYSIS [Wt. % Calcined Basis]

Silica [SiO_2] 48.39
Aluminum Oxide [Al_2O_3]. 47.21
Titanium Dioxide [TiO_2]. 1.28
Iron Oxide [Fe_2O_3]. 0.55
Magnesium Oxide [MgO] 0.12
Calcium Oxide [CaO].. 0.02
Other Oxides 2.43
Total 100.00

Sizes: 15lb plastic pail (4/case) [2A1025]
        50lb plastic pail   [2A1050]

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.

PHYSICAL PROPERTIES

ASTM C-24

P.C.E.	34
Service Temperature [max. recommended], °F	3000
Temperature Equivalent [melting], °F	3205

ASTM C-198, Bonding Strength, psi

After 230°F	1250
After 2730°F	1000

ASTM C-199 - Medium Duty, Pier Test at 2910°F

No flow from joints. No cracks or shrinkage.

Application:

Material is ready mixed; surface liquid in pails can be thoroughly mixed in or poured off for desired consistency.

If mortar is frozen, allow pail to thaw at room temperature.

Mortar should be tightly capped as soon as possible, as it will begin setting up once exposed to air.

Coverage is 300-350 lbs. per 1000 9"x4½"x2½" straights.

This product was formally known as ALSEY 3000 Super Duty Mortar.

SDS 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.

Revised: April 24, 2020

Manufacturer of Quality Refractories Since 1906