

DESCRIPTION:

A premium wet, air-setting, super duty 3000°F refractory mortar formulated to be used in a wide variety of refractory applications. Excellent at all temperatures up to limit and in all molten metal applications. Excellent for furnace and boiler linings as well]



SIZE:

15 lb. plastic pail [4/case] – Inventory #2A2015
 50 lb. plastic pail – Inventory #2A2050

TYPICAL TEST DATA

CHEMICAL ANALYSIS [Wt. % Calcined Basis]

Silica [SiO ₂]	48.39
Aluminum Oxide [Al ₂ O ₃]	47.21
Titanium Dioxide [TiO ₂]	1.28
Iron Oxide [Fe ₂ O ₃]	0.55
Magnesium Oxide [MgO]	0.12
Calcium Oxide [CaO]	0.02
Other Oxides	2.43
Total	100.0

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 1500°F	1000

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

No flow from joints. No cracks or shrinkage.
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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 9x4½x2½” Straights.

This product was formerly known as ALSEY 3000 Super Duty Mortar

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.

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.



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