



PRODUCT DATA

Brand Name: LO-SET®

Description: LO-SET® is a 40% alumina mortar with a 3000°F service temperature limit. When mixed with water, it produces a smooth, easy flowing mortar with good workability. It is air-setting and develops a strong bond at atmospheric temperatures. This bond strength is increased when fired at higher temperatures. Extra service life may be gained by applying a brush or spray coat of LO-SET® on any firebrick surface. Use with high duty, superduty, 50% alumina, and 60% alumina brick.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

Maximum Service Temperature: 3000°F (1649°C)

Typical Water Required for Consistency (by weight) :
Troweling 25 - 29 %

Material Required:

To Lay 1000 9" Straight Brick 290 - 325 lbs.

Modulus of Rupture (psi)

After 220°F (105°C)	600 - 700	(42 - 49 kg/cm ²)
After 1500°F (816°C)	100 - 200	(7 - 14 kg/cm ²)
After 2550°F (1400°C)	700 - 1200	(49 - 84 kg/cm ²)
After 2732°F (1500°C)	1200 - 3700	(84 - 259 kg/cm ²)

Typical Chemical Analysis (%)

(Calcined Basis)

Silica (SiO ₂)	51.2
Alumina (Al ₂ O ₃)	40.9
Iron Oxide (Fe ₂ O ₃)	1.7
Titania (TiO ₂)	1.2
Lime (CaO)	0.6
Magnesia (MgO)	0.3
Alkalis (Na ₂ O+K ₂ O)	4.1

Standard Packaging: 50 lb. bag. 50 bags per pallet

Brand Code: 0972

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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