



# PRODUCT DATA

**Brand Name:**

**TROWLEZE®**

**Description:**

TROWLEZE® Is a 40% alumina, versatile bonding mortar with exceptional troweling and buttering workability. It adheres to the trowel so it can be picked up and transferred to the brick without difficulty. It provides a strong, air-set bond and an even stronger ceramic bond upon firing. It has excellent volume stability, minimum shrinkage, high refractoriness to 3000°F, uniform workability, good water retention, and thorough coverage for economical use. Use with high duty, superduty, 50% alumina, and 60% alumina brick. It is the recommended mortar of choice for installing insulating firebrick.

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)**

**Amount Required**

To Lay 1000 9" Straight Brick 350 - 400 lb.

**Modulus of Rupture (psi)**

After 220°F (815°C)	800 - 1200	(56 - 84 kg/cm <sup>2</sup> )
After 2250°F (815°C)	400 - 600	(28 - 42 kg/cm <sup>2</sup> )
After 2910°F (815°C)	2500 - 3500	(175 - 245 kg/cm <sup>2</sup> )

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	43.6
Silica (SiO <sub>2</sub> ) .....	50.2
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.0
Titania (TiO <sub>2</sub> ) .....	1.3
Lime (CaO) .....	0.1
Magnesia (MgO) .....	0.3
Alkalis (Na <sub>2</sub> O+K <sub>2</sub> O) .....	3.5

**Standard Packaging:** 55 lb pail, 50 or 100 lb drum

Brand Code: 1146

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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