



# PRODUCT DATA

**Brand Name:** ADAMANT - Air Set (Dry)

**Description:** A dry, air-setting fireclay - silica based mortar, with a maximum service temperature of 3000°F, used for bonding super duty brick. Just add water to obtain the desired trowel or dipping consistency. This product will take an air set, but does not develop its full joint strength until after heating to 220°F (105°C)

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

**Maximum Service Temperature: 3000°F (1650°C)**

**Pyrometric Cone Equivalent (ASTM C-24) :** Cone 31

**Modulus of Rupture (psi) :**

After 220°F (105°C)	660 - 900	(46 - 63 kg/cm <sup>2</sup> )
After 2550°F (1400°C)	680 - 815	(47 - 57 kg/cm <sup>2</sup> )

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	24.1
Silica (SiO <sub>2</sub> ) .....	71.0
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.8
Titania (TiO <sub>2</sub> ) .....	1.0
Lime (CaO) .....	0.6
Other .....	2.5

**Standard Packaging:** 50 lb. bag. 72 bags per pallet

ADAMANT should be stored in a dry place between 32°F (0°C) and 100°F (38°C). For best results use within two months.

Brand Code: 1565

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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