



# 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)

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

**P.C.E. (using ASTM C-24)** Cone 31

**Refractoriness :** Passes ASTM C-199 at 2550°F (1400°C)

**Joint Modulus of Rupture (using ASTM C-198)**

After 230°F (110°C)	660- 900 psi	( 46- 63 kg/cm <sup>2</sup> )
After 2250°F (1232°C)	680- 815 psi	( 47- 57 kg/cm <sup>2</sup> )

**Typical Chemical Analysis (%)**

Al <sub>2</sub> O <sub>3</sub> .....	24.1 %
SiO <sub>2</sub> .....	71.0
Fe <sub>2</sub> O <sub>3</sub> .....	0.8
TiO <sub>2</sub> .....	1.0
CaO .....	0.6
Alkalies .....	2.5

**STORAGE:** This product should be stored in a dry place above 32°F (0°C) and below 100°F (38°C)

**Standard Packaging:** 50 lb bag

The properties shown on this data sheet represent typical average results generated 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.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

02/05/08 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.

**Penn Center West, Building 2 - Suite 430, Pittsburgh, PA, 15276 Phone: 888-283-5505**