



PRODUCT DATA

Brand Name: SUPER ADAMANT

Description: SUPER ADAMANT is a wet ready-mixed high alumina based bonding mortar available in either trowel or dipping consistencies. SUPER ADAMANT has a maximum recommended service temperature of 3000°F. The product has excellent slag resistance, and its low iron content makes it ideal for reducing atmospheres. It has the same smooth working characteristics built into all RESCO mortars and has been used successfully in blast furnaces, hot metal mixers, electric furnace roofs, soaking pits, stopper rods, ladles, and other applications where severe conditions exist.

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 29

Modulus of Rupture (psi) :

After 220°F (105°C)	900 - 1200	(63 - 84 kg/cm ²)
After 2550°F (1400°C)	1500 - 2000	(105 - 140 kg/cm ²)

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	36.2
Silica (SiO ₂)	59.6
Iron Oxide (Fe ₂ O ₃)	0.4
Titania (TiO ₂)	0.8
Other	3.0

Standard Packaging: 55 lb. pails. 48 pails per pallet
SUPER 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: 0354 (Dip) 0355 (Trowel)

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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