



PRODUCT DATA

Brand Name: ADAMANT X

Description: ADAMANT X is a fireclay-silica based material with a maximum recommended service temperature of 2800°F. It is shipped as a wet, ready to use mortar and will stay in suspension over long periods of time. ADAMANT X is the original wet air setting cement for bonding intermediate, high heat and super duty fireclay brick. Produced since 1907, ADAMANT X was one of the first bonding mortars introduced to industry that truly bonded brick together. Through the years, the ADAMANT X trademark has stood for quality and has been widely accepted by refractory consumers.

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

Maximum Service Temperature: 2800°F (1540°C)

Pyrometric Cone Equivalent (ASTM C-24) : Cone 19 - 20

Modulus of Rupture (psi) :

After 220°F (105°C)	600	(42 kg/cm ²)
After 2550°F (1400°C)	400	(28 kg/cm ²)

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	4.6
Silica (SiO ₂)	90.8
Iron Oxide (Fe ₂ O ₃)	0.3
Titania (TiO ₂)	0.7
Other	3.6

Standard Packaging: 55 lb. pails. 48 pails per pallet

ADAMANT X 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: 0109 (Green) 0110 (Yellow)

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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