



Mortars

Product Data

ADAMANT X

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.

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

P.C.E.: Cone 19-20 (ASTM C-24)

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

Joint MOR:

220°F (105°C)	500-700 psi (35-49 kg/cm ²)
2550°F (1400°C)	300-500 psi (21-35 kg/cm ²)

Chemical Analysis(%):

SiO ₂	90.8
Al ₂ O ₃	4.6
TiO ₂	0.7
Fe ₂ O ₃	0.3
Other	3.6

Screen Sizing: +28 Mesh (Trace)

Standard Packaging: 48-55 lb. pails per pallet

Storage:

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

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.

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