



Mortars

Product Data

SUPER ADAMANT

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.

Refractoriness: Passes ASTM C-199 at 2910°F (1600°C)

P.C.E.: Cone 29 (ASTM C-24)

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

Joint MOR:

220°F (105°C)

2550°F (1400°C)

900-1200 psi (63- 84 kg/cm²)

1500-2000 psi (105-140 kg/cm²)

Chemical Analysis(%):

SiO₂ 59.6

Al₂O₃ 36.2

TiO₂ 0.8

Fe₂O₃ 0.4

Other 3.0

Screen Sizing: +35 Mesh (Trace)

Standard Packaging: 48-55 lb. pails per pallet

Storage:

SUPER ADAMANT 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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