

ARMORMAX 70 SR lintel shapes for charge door in rotary hearth furnace

Case study



EQUIPMENT

- 23' diameter rotary hearth forge furnace

PRODUCT

- ARMORMAX 70 SR precast lintel shapes
- Why ARMORMAX 70 SR?
 - Excellent thermal shock resistance
 - Withstands mechanical impact and abrasion

APPLICATION

- The competitive 70% alumina shapes failed early on after replacement, could not be easily patched
- Frequent lintel replacement caused excessive downtime

INSTALLATION

- September 2012: Three lintel shapes measuring 30" W X 12" D X 18" H were installed

RESULTS

- November 2012: After six weeks in service, the ARMORMAX 70 SR shapes showed virtually no signs of wear due to mechanical abrasion
- August 2013: After 11 months in service, the ARMORMAX 70 SR shapes are still in excellent condition
 - Customer solved a thermal shock and mechanical abrasion problem
 - Customer improved their production efficiency due to decreased downtime
 - Success with ARMORMAX 70 SR inspired the customer to use Allied products in other furnace applications

Inquiries: email us at allied@alliedmin.com or contact your Allied sales representative

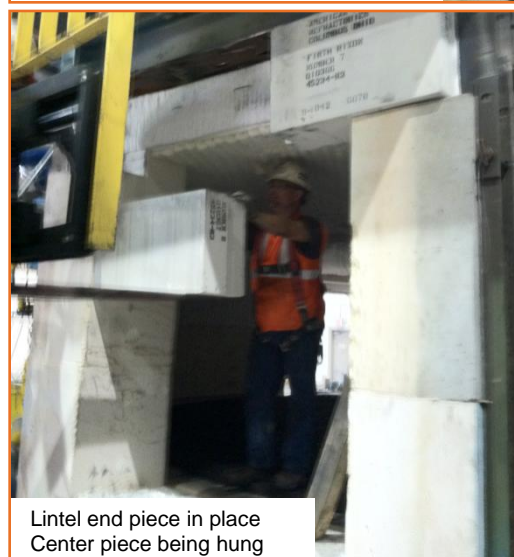
alliedmineral.com



ARMORMAX 70 SR lintel blocks



Charge door on rotary hearth furnace



Lintel end piece in place
Center piece being hung