

# ARMORMAX® 70 AC reverberatory furnace sill



## Case study

### EQUIPMENT

- 60,000 lb capacity reverberatory holding furnace

### PRODUCT

- ARMORMAX® 70 AC
  - Exhibits **minimal** strength loss after cycling to 1200°C (2200°F)
  - Excellent thermal shock resistance
  - High strength
  - Ideal for applications with high mechanical abuse and thermal cycling

### APPLICATION

- Sill of holding furnace receiving molten metal from rotary melting furnace
- Typical sill life is 1 year. Sill is either patched or replaced at 1 year.
- Constant exposure to thermal cycling and mechanical abuse from skim boom
- Operating temperature of sill is between 816°C - 982°C (1500°F - 1800°F)

### INSTALLATION

- August 2013: Vibration cast of ARMORMAX® 70 AC

### RESULTS

- June 2014: ARMORMAX exhibits no wear and zero cracks after **10 months** of service
- No edge degradation
- Customer and contractors are impressed with the continued performance of ARMORMAX®

**Inquiries: email us at [allied@alliedmin.com](mailto:allied@alliedmin.com) or contact your Allied sales representative**



ARMORMAX® 70 AC installation



Installed sill



ARMORMAX® 70 AC sill after  
10 months service