

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 or contact your Allied sales representative



ARMORMAX® 70 AC installation



Installed sill



ARMORMAX® 70 AC sill after
10 months service