



CASE STUDY:

ARMORMAX® 70 AC REVERB FURNACE SILL

EQUIPMENT

- 60,000 lb capacity reverb holding furnace

PRODUCT

- ARMORMAX® 70 AC ideal for applications with high mechanical abuse and thermal cycling

APPLICATION

- Sill of holding furnace receiving molten metal from rotary melting furnace
- Constant exposure to thermal cycling and mechanical abuse from skim boom
- Operating temperature of sill is between 815°C - 980°C (1500°F - 1800°F)
- Typical sill life before ARMORMAX® installation was one year. The sill was either patched or replaced at that time.

INSTALLATION

- Vibration cast of ARMORMAX® 70 AC

RESULTS

- After 2 years, ARMORMAX® exhibits no wear and zero cracks after
- No edge degradation
- Customer and contractors are impressed with the continued performance of ARMORMAX®



ARMORMAX® 70 AC installation



Installed sill



ARMORMAX® 70 AC sill after 10 months of service

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Allied Mineral Products, LLC supplies an entire line of monolithic refractories for the metals industry. For more information or a complete evaluation of your refractory requirements, please contact your local Allied representative.

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