



APPLICATION REPORT

Floor Repair, Steel Plant- Casting, Screeting and Finishing

Industry: Steel

Description of Equipment: High traffic floor in front of electric arc furnaces

Problem: Existing concrete was severely damaged due to forklift traffic and heavy loads placed on floor. Large holes in the floor caused major safety concerns for both forklift and foot traffic. High temperature mortar used to repair surface lasted only three weeks. Customer was looking for a longer lasting solution. Repairs had to be made with limited interference of operations.

Solution: Phoscrete 602-L was recommended because of its rapid setting, high strengths, and most importantly, Phoscrete's ability to bond to existing concrete.



Damaged floor with rebar exposed.



Placing of Phoscrete 602-L



Finishing surface.

Product Being Replaced: Damaged concrete and high temperature mortar

Savings Using Phoscrete: Significant reduction in maintenance of floor, minimal downtime for making repairs, and elimination of a safety hazard.

Products Applied: Phoscrete 602- L

Method of Installation: Casting, screeting, and finishing

Equipment Used: Refractory paddle mixer, vibrator, and cement floats

Scope of Work: Removed loose concrete and blew out dust. Poured Phoscrete 602-L across the area, vibrated the material into place and finished surface using cement hand floats.

Installation Date: March 2007

Follow Up: First inspection in June 2007: material still in place, no signs of damage. Customer continues to use Phoscrete to repair other damaged floor areas.