



CASE STUDY:

INSTALLATION OF QUICK CAST® 62 IN TRANSFER LADLE

EQUIPMENT

1 ton lip pouring transfer ladle for iron casting production

PRODUCT

QUICK CAST 62

APPLICATION

The original lining used 50mm of fireclay and sand directly against the steel shell. 25MT liquid metal produced in two days with 300 kgs of material used at installation. 15% of lining erosion was observed with 45 kg of sand eroding into the liquid metal.

INSTALLATION

Allied's new lining system consisted of 3mm of insulation paper installed against the steel wall with 350KG of QUICK CAST 62 used to line the ladle.

RESULTS

- After two days of production, The Allied design had an output of 1500MT of liquid metal. That is an increase of **6000%** compared to the competitive material
- The quality of the metal improved as the Allied material produced cleaner metal.
- The customer saw a notable difference in furnace performance by switching from sand to Allied's castable. They were also able to reduce lining installations and decrease sand build-up in their pressure pour furnace.
- Customer is pleased with the results and continues to use Allied's lining system



Allied Mineral Products, Inc. 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.