



CASE STUDY:

750KG T-SPOUT AUTO POUR LADLE

EQUIPMENT

750kg AutoPour Ladle of OEM

PRODUCT

QUICK CAST® 62, T-COAT® 7692M, and MINRO-AL® PLASTIC A7055 (for patching)

APPLICATION

Ladle Pouring

INSTALLATION

Did modification in ladle design and changed from T-Spout Ladle to Slag Stone Design. The Installation was done at the customers location and the mixer and needle vibrator was arranged via distributor.

425kg of QUICK CAST® 62 was used, and 10kg of T-COAT® 7692M was used.

RESULTS

- Customer was breaking lining after 36hrs of operation due to slag generation at spout and main lining.
- Refractory consumption was 250kg in each lining. Monthly costs equaled 2 Lakh INR with total consumption of 5 Mt of conventional castable.
- Our ladle was used for 3 months by using ladle alternate days (i.e., actual life was 1 ½ months).
- Cost of one month using our refractory was 1 Lakh INR.

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.



Original T-Spout Ladle.



Cut the shell to make a lip pour.



Make a form and groove arrangement for slag stone to make a T-Spout ladle.



After fixing stone and coating with T-COAT® 7692M.