



Steel plant solves low lifetime in EAF with HASLE D1700A

A Thai steel plant was having trouble with the lining lifetime in their Electric Arc Furnace (EAF). The EAF has a capacity of 43 tons and six ladles with capacity of 42.5 tons per ladle. They produce 14-15 heats per day.

In the past, they had been using a MgO-based brick lining for the EAF Wall and a generic castable for the EAF Delta Roof Core. The average lifetime for the lining in the EAF Wall was about 850 heats and 700 heats for the EAF Delta Roof Core. However, after 200 heats they had to repair the EAF Delta Roof Core lining EVERY DAY until reaching the 830-830 heats. The consumption of gunning for repair work was 70 tons a year.

We suggested lining the EAF Delta Roof Core and Walls with HASLE D1700A, our fine grained and strong low cement castable based on high quality Andalusite. It is stable at high temperatures, thermal shock resistant and highly abrasion resistant.

Lined with HASLE D1700A, the EAF Delta Roof Core achieved an outstanding lifetime of 743 heats without needing any repair during service life. It greatly reduced down-time as well as man hours and cost of materials spent on repairs.

Contact us today at info@hasle-refractories.com to learn how we can help improve conditions in your plant.



Installation process



Installation HASLE D1700A