

WE PROTECT YOUR PROCESS

4: Delta Roof Core

Country	Thailand
Product Type	Construction steel (billet and steel bar)
Furnace Type	Electric Arc Furnace (EAF)
Area	EAF Delta Roof Core (EAF centre piece)
Product	HASLE D1700A
Operating conditions	Severe thermal shock and chemical erosion
Lifetime	420 heats



HASLE D1700A



After 420 cycle heats or around 600 hours with 1550-1570°C operating temperature

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5-7: Ladle

Country	Malaysia
Product Type	Low carbon steel and alloy steel
Furnace Type	Electric Arc Furnace (EAF), 4 MT and 6 MT
Furnace Melting Time	3 hrs.
Tapping Time	5 mins (furnace to ladle), 30 mins (ladle to mould).
Tapping temperature	1650 Deg. C
Area	Transfer Ladle 7.000 kgs
Product	HASLE D59A Easy Flow
Lifetime	150 heats (previous condition 700-100 heats)

HASLE 59A Easy Flow



Ladle after 23 cycle heats



Ladle 7 tons after 125 heats and still running

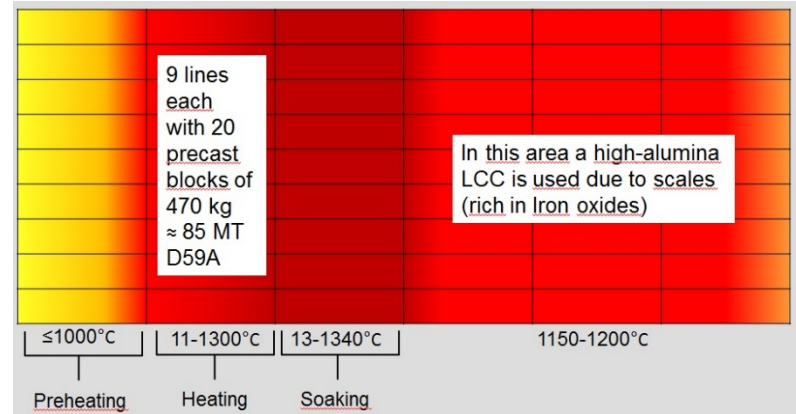
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10. Reheating Furnace

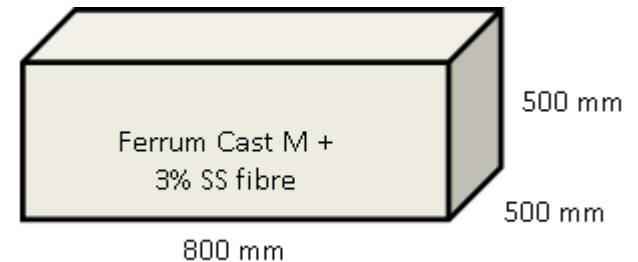
- Country** Denmark
- Product Type** Thick steel plates (min. 5 mm) for shipbuilding, wind turbines, offshore platforms and boilers
- Furnace Type** Reheating Furnace
- Product** HASLE Ferrum Cast M+3% SS fibre
- Lifetime** 24 months

They use raw materials (mother slabs) from Russia. The 'mother slabs' are cut into smaller 'baby slabs' up to 20MT each. 'Baby slabs' at the entrance of the reheating furnace. 50.000 m² steel is transported through the reheating furnace per hour.

The reheating furnace has 9 lines divided into 6 zones. The furnace is gas fired and the atmosphere is low in oxygen.



We select HASLE Ferrum Cast M to use in the heating zone (zone 2) which is the area with the most thermal stress. We cast Precast Blocks of c. 470kg HASLE Ferrum Cast M+3% SS fibre are casted and dried to 400°C at their own workshop



During operation the temperature at the hot face is aprox. 1300°C and at the cold face (bottom) the temperature is 3-400°C. The lifetime of the entire furnace is more than 24months