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REFRACTORY BULLETIN:

**Aluminium Melting and holding furnace:
PRE-CAST REFRACTORY BLOCK CONSTRUCTION**

These furnaces here use pre-cast sections around the door jams. Each section is around 300 x 400 x 1500. They are bolted into position so the door fits tightly against them and then the Thermbond refractory was poured behind them.

We remember the refractory was always breaking out around the door of the aluminium holding/melting furnace and if this is still the case, then this is a really good idea for you to consider this option.

You could have one complete section for each side of the door opening so there are no joints to consider.

We have attached some pics of one the spare sections to give you an idea of what they look like as well you can see them fitted to the furnace lintel and jamb.

They are not used on the sill, this is cast refractory right up to the steel work but we can pre-cast this sill area as well. We need steelwork drawing and current refractory drawings if available to design these pre-cast blocks for your furnaces.



Photo 1. shows the door jamb block construction

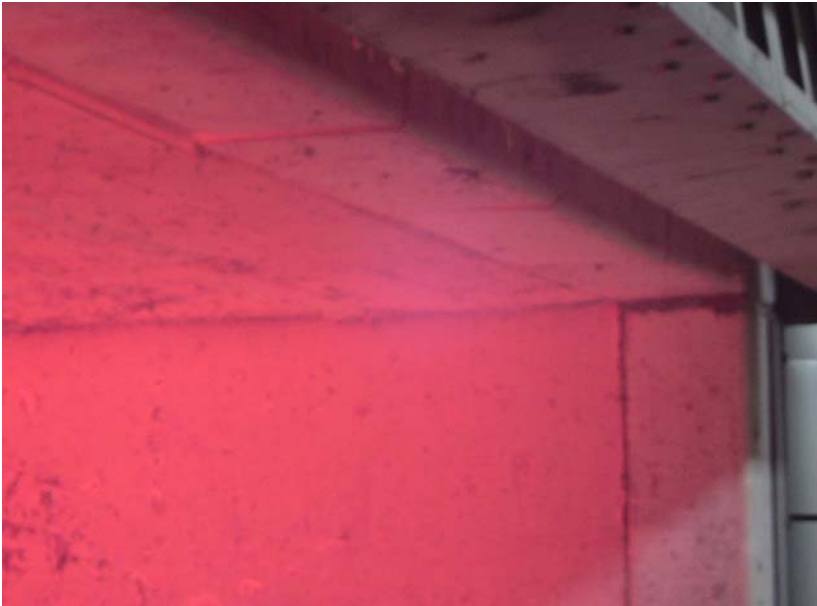


Photo 2. shows the door lintel block construction



Refractech Pre-cast block design for door lintel and jamb

