



## Installation Story #33 Foamfrax® Insulation

Industry:	Steel
Location:	Midwest United States
Installation Date:	September 2006
Type of Unit:	Reheat Furnace
Operating Temperature:	1800°F
Scope of Job:	Foamfrax Grade I Insulation Sidewalls, 10" Thick



The sidewalls of this furnace consisted of a series of burners and flues. Anchor-Loc® modules were installed to form the jamb of the sidewalls to seat against the furnace door. Inconel 601 “V” anchors were installed on approximate 16" centers to fit around the burners and flues.



Foamfrax Grade I insulation was gunned onto the sidewalls to the full thickness of 10". Cardboard was used to form what would become the flue opening once the unit was fired.



As the Foamfrax Grade I insulation was being installed, it was immediately troweled smooth and scored. The score marks were placed at junctures of the lining corresponding to the flue and burner locations.



The cardboard forms for the flues were left in place to burn out. A hole was cut in the cardboard at each flue to allow for airflow and combustion of the cardboard during the initial heat cycle.

The primary benefit of Foamfrax Grade I Insulation in this application was that it installed very quickly and conformed to the irregular geometry of the sidewall flues and burners. Two 30' long sidewall sections of this unit were installed in approximately 4 hours.