



## Installation Story #5 FoamfraxJ Insulation

Industry: Steel  
Location: Northeast United States  
Installation Date: April 2001  
Operating Temperature: 2150°F (1175°C)  
Scope of Job: Ceramic Fiber Lined Ladle Preheat Stand  
3" (76mm) 8 PCF (128 kg/m<sup>3</sup>) Veneer of Foamfrax Grade II Fiber



Prior to application of the Foamfrax Insulation, the lining was wet down to minimize the potential for airborne fibers and all loose material scrapped off. This photograph shows the lining after half of the devitrified fiber has been removed. For the removal of any after service refractory material, refer to the product MSDS for proper material handling guidelines.



For best adhesion, the ceramic fiber substrate must be pre-wet with water before the Foamfrax Insulation is applied.



The Foamfrax material was gunned inside the ladle wear area to re-establish the full thickness of the lining.



After the Foamfrax material was installed, the surface was troweled smooth using a wet trowel.



Once the surface is troweled smooth, the Foamfrax Foam In Place Insulation may be immediately put into service.

With the installation of Foamfrax Grade II Insulation, the following customer benefits were realized:

- **Turnkey Installation**
  - A specially trained Unifrax distributor/contractor was able to supply materials, equipment, and installation as a complete package.
- **Extended Service Life**
  - The Foamfrax Insulation upgrade provided extended service life for the furnace lining and the customer avoided a complete lining reline and costly downtime.
- **Installation Speed**
  - Due to the quick installation of Foamfrax Insulation, the ladle stand could be immediately put into service. Total installation time for this ladle stand was less than one hour.