



## **Installation Story #8 Foamfraxä Insulation**

Industry:	Forging
Location:	Northeast United States
Installation Date:	April 2001
Operating Temperature:	2300°F (1260°)
Unit:	Batch Forge Furnace
Scope of Job:	3" (76mm) Thick, 8 PCF (128 kg/m <sup>3</sup> ), Foamfrax Grade II Fiber Veneer For Miscellaneous Lining Repairs



After many years of service, the refractory lined wall and ceramic fiber lined door of this Batch Forge Furnace had become damaged due to thermal shock and mechanical abuse. The size of the damage was large enough to create a hot spot on the furnace casing. A traditional lining repair would be time consuming since it involves tear out and partial lining replacement.



Foamfrax Insulation was quickly gunned into the affected areas. Prior to the installation, the lining surface was prepped following the Foamfrax Insulation product guidelines.



In each instance, the Foamfrax material was troweled smooth and the furnace was available for immediate use.

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.
- **Installation Speed**
  - These hot spot areas were significant enough to put the forge furnace out of service. A quick 15 minute application for each trouble area had the furnace immediately back into service.