



Installation Story #7 Foamfraxä Insulation

Industry:	Forging
Location:	Northeast United States
Installation Date:	April 2001
Operating Temperature:	2300°F (1260°C)
Unit:	Batch Forge Furnace
Scope of Job:	3" (76mm) Thick, 8 PCF (128 kg/m ³), Isofoam™ Over Hard Refractory Backwall 3" (76mm) Thick, 8 PCF (128 kg/m ³), Isofoam™ Over Ceramic Fiber Roof



Prior to installation on the hard refractory backwall, all loose material was chipped away and a surface preparation of dilute Fiberstick™ Refractory Cement was applied. The ceramic fiber roof was thoroughly wet with water prior to Foamfrax Installation. For the removal of any after service refractory material, refer to the product MSDS for proper material handling guidelines. Note the shrinkage gaps, which are evident in the roof, due to the challenging operating conditions in this application.



A 3” veneer of Isofoam was gunned onto the surface of the hard refractory backwall and ceramic fiber roof.



With the installation of Isofoam 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 Isofoam veneer on the existing ceramic fiber roof avoided costly rebuild and associated downtime.
- **Installation Speed**
 - The Isofoam veneer lining was installed in less than two hours and the furnace was immediately available for service.