



Insulation Market - Installation Story #1 Insulfrax® IX Foamed Insulation

Industry: Aluminum
Location: England
Installation Date: March 2002
Operating Temperature: 1380°F (750°C)
Scope of Job: 3" (76mm) Insulfrax IX Full Thickness Lining
Aluminum Soaking Pit Fan Housing (External Insulation)



Re-circulating fans serve to move air throughout aluminum soaking pits in order to distribute heat evenly across the slabs. For increased efficiency, the fan housings are often insulated to reduce heat loss. Traditional methods to insulate fan housings are to cut and fit ceramic fiber blanket, which due to the irregular geometries of these units can be very difficult and labor intensive to install. Spider netting was adhered to the housing exterior and small "V" anchors were welded randomly on approximate 6" (152mm) centers. Insulfrax IX Foamed Insulation was then gunned directly onto the fan housing and the exposed surface troweled smooth. This installation took place during a shutdown while the fan was not running and the housing was at ambient temperatures.

With the installation of Insulfrax IX Foamed Insulation, the following customer benefits were realized:

- **Turnkey Service**
 - A specially trained Unifrax distributor contractor was able to supply materials, equipment, and installation as a complete package.
- **Fuel Efficiency**
 - The installation of Insulfrax IX Foamed Insulation served to decrease heat loss from the fan housing and improve heating uniformity within the soaking pit.
- **Installation Speed**
 - The complete Insulfrax IX installation was completed in one eight hour shift compared to the three eight hour shifts required to use traditional installation methods.

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