

Thermfrax® Ultra 30G

Insulation Made Ultra-Convenient,
Ultra-Fast, and Ultra-Efficient



AT A GLANCE

OUR CUSTOMER

Leading global producer of rolled aluminum products

THE CHALLENGE

Reducing downtime on mission-critical assets

OUR SOLUTION

Thermfrax® Ultra 30G spray-on board technology

THE OUTCOME

More than a full day improvement in furnace utilization and 90% reduction in install time



The material was very versatile and allowed for a quicker turnaround of the furnace. It was easy to install, included very little rebound, and cured in a short time. I am very pleased with the benefits of this material.

- Reliability Engineer



THE CHALLENGE

A leading aluminum producer was seeking a solution to improve the installation time of the insulation lining material for their melting furnace. This was a mission-critical asset and maintaining consistent high temperature insulating performance was key. With a faster install, the producer could bring this equipment back on-line faster during demanding turnaround projects, improving production yields while also reducing installation costs.

Traditional board products weren't the answer. These products are fundamentally limited due to the inflexible product form and labor-intensive (time and money) installation requirements.



THE SOLUTION

Alkegen stepped in with our new Thermfrax® Ultra 30G spray-on board product, a breakthrough innovation leveraging Alkegen's industry-leading expertise in fiber-based high temperature insulation and deep understanding of specialized refractory technologies.

In this application, Thermfrax® Ultra 30G was installed in less than 3 hours from set-up to completion, **saving 90% of the 90 man hours** otherwise required with traditional board products.

A 6" thick upper wall backup layer (shown above) was easily applied using traditional gunning equipment with effectively no rebound or slumping. The lightweight 30 PCF density material **set in less than 1 hour** and will provide **superior insulating performance** in extreme operating conditions.

By choosing Thermfrax® Ultra 30G, the customer was able to **increase their furnace revenue generation by gaining more than a full day of valuable production uptime.**



Ready to explore how Thermfrax® Ultra 30G can help you succeed?
visit www.alkegen.com/thermfrax

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