# aspen aerogels<sup>®</sup>



# FLEXIBLE DURABLE

**HIGH-PERFORMANCE** 

**HYDROPHOBIC** 

REUSABLE

RESILIENT

THIN

# THERMAL INSULATION for POWER GENERATION FACILITIES





## **REDEFINING THERMAL INSULATION**

Representing the pinnacle of insulation design, Pyrogel® HPS is engineered to provide exceptional thermal performance and value at service temperatures up to 650°C (1200°F). Uniquely, it sustains thermal protection while resisting the traditional enemies of thermal insulation–heat, water, and mechanical damage.



Sustain heat rates, protect assets, and reduce maintenance costs. Pyrogel's tough, resilient format can be reused for lower cost of ownership.

### WHY USE PYROGEL HPS IN THESE POWER GENERATION APPLICATIONS?



asset

 Reduces lead time, labor, and maintenance expense due to its versatile, reusable format

# **ADVANTAGES – SPACE & SPEED**

### Pyrogel HPS delivers safe and efficient thermal protection with designs that are 2-5 times thinner than competing insulations. For plant designers and operators, Pyrogel HPS helps to avoid mechanical clashes, increase racking density, and ensure continuity of thermal protection. The unique format promotes faster application rates, particularly on large-bore pipe and vessels.

#### Check out the other products in our Pyrogel range





#### **Passive Fire Protection**

Visit aerogel.com/pyrogel for more information.



All systems provide the same energy efficiency

Pvroq

# **ADVANTAGES – DURABILITY & VERSATILITY**

Pyrogel HPS is durable, maintaining its shape and location even after vibration, footfalls, tool strikes, or exposure to high temperatures. Unlike rigid pipe shells, a single roll of Pyrogel HPS can be used to insulate any surface in your facility, from the smallest condensate line to the largest vessel. This versatile format means no more waiting for long lead-time items during an outage. Skip the wait and choose Pyrogel HPS.



Pyrogel HPS is available in either 850 sqft bulk rolls or convenient, easy-to-handle, 80 sqft Pony Rolls for added flexibility.

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### **Our Commitment**

For almost two decades, Aspen Aerogels has built a reputation for resolving thermal insulation's toughest challenges. When it gets too hot, too wet, or too tough for other thermal insulations, facility operators turn to Pyrogel.

If failing thermal insulation on turbines, piping, or equipment is negatively impacting safety, heat rate, and your maintenance budget, then get in touch with Aspen Aerogels today.

Our globally-renowned technical services team is available to assist with a Pyrogel solution tailored to your needs.

- Problem Diagnosis
- Thermographic Inspections
- Trial Installations
- Lunch and Learns
- Specifications
- Contractor training



# THINNER, TOUGHER, RESILIENT & REUSABLE HIGH-TEMPERATURE THERMAL INSULATIONS

Gas Turbine • Steam Turbine • Boiler • Pipework • BOP

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