



# Aerogel Insulation: The Ultimate Thermal Protection... Fabricated to Your Most Demanding Specifications

PACOR is partnering with Aspen Aerogels to fabricate revolutionary insulation materials made from nanoporous aerogels. These materials are available for service temperatures from -460°F (-273°C) to 1200°F (649°C). This wide range enables the insulation to perform in low, high, and dual temperature applications. Aerogel is ideal for use in a wide range of applications, including commercial cooking equipment, building and construction, processing equipment, LNG ships, storage and transfer systems, removable insulation covers, heat shielding for the transportation industry, military/aerospace equipment, and more.



Aerogels offer:

- Two to eight times the insulation value for the same thickness compared to traditional materials.
- Extremely thin profile, which increases internal volume within tight spaces or allows for a smaller footprint with the same usable space
- Hydrophobicity: Aerogels have outstanding resistance to moisture.
- Consistent, high insulating effectiveness for the life of the unit.
- Easy fabrication, such as die cutting, laminating, composite layering, and other options.
- Environmental friendliness: Aerogels pose no chemical threat to the environment and are silica based, which is essentially sand.
- Excellent resistance to flame spread and smoke emission.
- Lighter weight than other insulation materials on an installed basis.

## PACOR's Extensive Fabrication Capabilities Offer Added Value for Your Aerogel Applications

PACOR is equipped to fabricate any of the Aspen Aerogels insulation products with state-of-the-art equipment, including:

- Precision Die Cutting
- Computer Numerical Control (CNC) Cutting Systems
- Encapsulating
- Adhesive and Film Laminating
- Close Tolerance Slitting-Sheeting
- Application of Pressure Sensitive Adhesives (PSA)



# PACOR Offers a Variety of Products and Services to Meet Your Industrial Insulation Needs

## Aspen Aerogels

PACOR has agreed to partner with Aspen Aerogels to fabricate revolutionary insulation materials made from nanoporous aerogels, the world's best thermal insulator.



## Fiberglass Insulation

As one of just a few national Select Master Fabricators of Johns Manville, we have access to the broadest range of fiberglass products in the industry. Fiberglass has long been used in both residential and industrial applications because of its

excellent thermal and acoustical properties. Our product mix includes Tuf-Skin®, Valulite™, Whispertone®, Microlite®, and other fine products.

## Removable Thermal Insulation Covers

PACOR's industry-leading **RapidWrap™** removable insulation covers conserve energy, preserve process temperatures, and reduce pollution. Made of the highest quality materials by experienced, dedicated craftspeople, they are custom fitted to your exact requirement. With a payback of as short as a couple of months, **RapidWrap™** removable insulation covers offer a cost effective method of reducing your energy costs and consumption.



## Acoustical Products

PACOR's The Noise Police™ Acoustical Products offer ideal protection from harmful noises associated with industrial production. These products are custom designed for specific applications and available in a variety of configurations to meet specific plant and personnel requirements.

## Foam and Foam Tapes

We offer a large variety of foams and foam tapes to meet a broad range of applications. These products can be ordered with or without Pressure Sensitive Adhesive (PSA) to make your manufacturing process easier, and can be fabricated in a number of ways to meet your requirements.



## High Temperature Ceramic Insulation

These products offer state-of-the-art solutions for the most demanding thermal management applications, up to 3000°F. They provide excellent insulating properties, including low thermal conductivity and heat storage.



## Energy Appraisal Service

PACOR offers an Energy Appraisal Service aimed at reducing greenhouse gases and saving energy dollars. Our Certified Energy Appraisers use sophisticated software and infrared technology to evaluate the thermal performance on insulated and/or uninsulated piping and equipment in your facility.

## Plastic Injection Molding

PACOR offers plastic injection molding services, specializing in small runs, prototype services, new product development, and insert molding. We present an excellent opportunity to outsource many of your current items, as well as offer subassembly operations to free up your production staff.



## Our Value Proposition

**PACOR is an insulation specialist with over 85 years of experience. Providing a full and diversified line of products and services, we are committed to quick responsiveness and dedicated to quality and creative solutions**

**...and always service oriented.**

# **PACOR** INC

INSULATION SPECIALISTS

333 Rising Sun Road  
Bordentown, New Jersey 08505 USA  
Phone: 609.324.1100  
FAX: 609.324.1106  
E-Mail: oem@pacorinc.com  
www.pacorinc.com



©Copyright, PACOR Inc., 2008 Printed in USA  
Tuf-Skin®, Valulite™, Whispertone® and Microlite® are registered trademarks of Johns Manville