



Product Used
Spaceloft® 9251

Aerogel Insulates Tight Quarters to Keep House Boat Warm

Provides thermal benefits in areas where other insulations don't fit

Fabrication Partner

The Proctor Group
(www.spacetherm.com)

Challenges

- Insulate a 40 ft, wide beam Caribbean cruiser that is classed as a river vessel.
- The cabin was typically cold even when the sun was shining.
- Space was very tight, restricting the use of thicker insulation materials.
- The insulation also needed to be thin to minimize encroachment on living space in small rooms.
- Other requirements included water resistance, noise abatement, breathability, and easy installation.

Aerogel Solution

- The Proctor Group developed a solution using its Spacetherm product, which is made of 9 mm **Spaceloft® 9251** aerogel insulation.
- Three layers of Spacetherm were installed in the cabin's floor and walls, and two layers in the ceiling to conserve headroom.

Benefits

- Spacetherm provided the highest level of thermal insulation possible – a class-leading thermal conductivity of 0.013 W/m²K.
- It met all thermal requirements with minimal thickness, which was vital in the space-constrained vessel cabin.
- Spacetherm was flexible and cut easily to shape around windows, fixtures, and other irregular areas.

