

# 2009 R&D 100 Award Winner

## Fire-Resistive Phase Change Material

This first-ever organic fire-resistive phase change material when incorporated into conventional insulation can improve the heating and cooling efficiency in buildings. The new material, is composed of fatty-acid esters from sustainable plant and animal fats.

### Developed Jointly By

Oak Ridge National Laboratory  
Microtek Laboratories  
Advanced Fiber Technology  
U.S. Department of Energy

### Sponsored by

Department of Energy's Building  
Envelope and Windows R&D  
programs within the Office of  
Building Technology

### Recipients left to right:

David Yarbrough, Jan Kosny, ? and ?

