

# 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

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