

Bluestem Electric Cooperative, Inc. recommends Cellulose Insulation

Excellent R-value

Xcell has an R-value that's as much as 70% higher than blown fiberglass. That's why a home insulated with Xcell is superior in comfort and requires less energy to heat and cool.

Even better in the cold

Xcell has a higher initial R-value than fiberglass, but there's more. Recent tests have proven that convection causes fiberglass to lose as much as 40% of its R-value in cold weather. Air movement inside the insulation from the warm side to the cold side results in heat loss. Xcell's shorter, natural fibers form a highly efficient thermal barrier to virtually eliminate convection. With a higher initial R-value that stays high in even in the coldest weather, Xcell is clearly the better insulation choice.

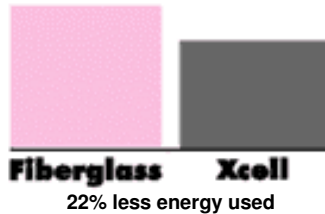
Excellent safety features

Class 1 fire rating



Xcell's highly efficient thermal barrier actually repels intense heat. It outperforms fiberglass by forming a barrier to protect other, more combustible construction materials. And Xcell's Class 1 fire rating meets or exceeds all requirements of local and national building codes. When it comes to fire safety, Xcell is one of the safest insulation materials you can use.

Energy Savings Are Substantial



Tests by the University of Colorado proved it. A home insulated with cellulose, including wall cavity spray insulation, prevented air leakage 38% more effectively and used 22% less energy than an identical home insulated with fiberglass batts. Reducing energy costs is important. An Xcell home will save on heating cooling costs throughout the life of the structure.

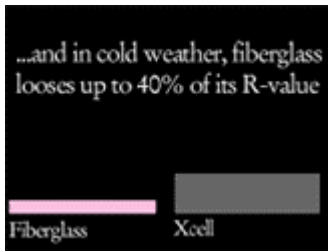
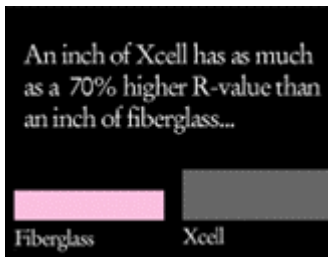
No glass fibers to irritate skin and lungs

Anyone who has installed fiberglass insulation knows how badly it irritates skin. Scientific evidence now suggests a more serious health threat. The World Health Organization has declared fiberglass to be a potential carcinogen and the product must carry a cancer warning label.

There is no health concern with Xcell cellulose insulation. Its primary ingredient is organic cellulose extracted from recycled newsprint. The only other ingredients are a non-toxic fire retarding chemical and an organic-based adhesive. When you insulate with Xcell, you can be certain its a product you can live with.

Excellent Certified Contractors

Only contractors who are trained and certified by Central Fiber Corporation are authorized to install Xcell stabilized cellulose insulation. These certified contractors have thorough product knowledge and use only correct installation techniques. The Xcell contractor certification program assures the homeowner of the highest quality material installed by fully-trained competent individuals.



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links button under energy
efficiencies!

Resists insects & mold

The same non-toxic, 100% borate chemical that gives Xcell its fire retardant qualities, also acts as a fungicide helping control mold and mildew. Even though this chemical is completely harmless, insects have an aversion to it and move to other habitation.



Installation is simple

Excellent installation

Since Xcell is blown into place, it completely fills in around wood framing members, electrical wiring, plumbing and other irregular areas. As the material exits the installation tube, it is misted with water which activates the product's adhesive. The insulation sticks to everything it contacts, remaining in place for the life of the structure, blocking air movement and reducing heat loss .



The product is blown into place, adhering to wood members, creating a monolithic seal.



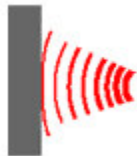
The excess is removed and the wall is typically ready for sheet rock within 24 hours.

Excellent for the environment

Through a unique process, newsprint is recycled into today's highest quality, best performing home insulation. When you use Xcell you dramatically reduce the amount of newspaper that would end up in your landfill. And with the superior performance of Xcell vs. fiberglass your lower heating and cooling costs mean far less consumption of our nonrenewable energy resources.



Excellent sound control



When a home is insulated with Xcell, it's also quieter. Xcell has excellent sound attenuation characteristics. It's usefulness extends to interior walls, too. You can quiet down a workshop, laundry room, recreation room, bathroom or bedroom. Use Xcell wherever you want to increase privacy and reduce noise transfer between rooms.

**For more information about
Cellulose Insulation call
Bluestem Electric
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1-800-558-1580.**