

Insulating Buildings: Transcript



It's really important to insulate your house. Heat can easily escape through the walls and roof. That's why you need to keep them insulated. The insulation stops heat escaping and this saves a tremendous amount of energy.



There are lots of different types of insulation. Most of them look quite similar. They are thick and fluffy like this wool. They have lots of fibres which help to trap air. This blanket of air helps to stop the heat getting through.



Some insulators come in solid sheets like this polystyrene. It is very light and air is trapped inside the polystyrene foam as it is made.



Insulation usually comes in rolls like this one. The material is rolled out and used to pack into the walls and roofs of a buildings.



This picture shows insulation being attached to the wall of a new factory that is being built. It will be trapped in the middle when the outside wall is added.



It is important to insulate the roof as well. A lot of heat can escape through the roof and the insulation helps to stop this happening.

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Insulation can be made from things like glass wool and rock wool. These are made from minerals. Fibres from plants like flax and cotton can be used. This picture shows flax being harvested.



Wool from sheep is also being made into insulation for buildings.



Heating your house is expensive and also uses a lot of energy. Insulation helps to stop you from wasting heat energy that would otherwise escape and rise into the air.