



Article published on December 6th 2011 | [Advertising](#)

Heard of home insulation? What is it? Let me tell you something in detail about this wonderful concept. It is an excellent method to keep your house warm without the need of electric heaters and thus can help you save a lot of money. Polystyrene is an excellent insulator and is used in residential as well as commercial buildings to control temperature. This is because polystyrene has a long chain of polymers, which is helpful in isolating heat or cold and functions well to control extreme temperature fluctuations and even noise. Due to its low water absorption, it retains 80% of the thermal value even though it is completely saturated. Another great characteristic of polystyrene is its durability. Even if it is exposed to moisture, it will never degrade or decay and will remain as it is which makes it a perfect choice for long run use.

It can be installed in any house but are particularly beneficial for a new construction. Polystyrene can add approx. 5-10% extra cost to the building of house so installing it in an already constructed house will be really a costly affair.

Polystyrene as an insulator is available in the market in two types. The first type is expanded polystyrene and the next one is extruded polystyrene. The prior one is a cheaper option both in terms of price as well as quality and is often referred as bead board. It has a lower density, coarse structure and contains just air, which is why it has a lower ability to insulate. The latter type is expensive but offers excellent insulation. Due to its finer cellular structure, which not only comprise air but refrigerant gas as well, it has ability to offer excellent insulation.

Extruded insulation has a better market and has become an obvious choice of the home owners because of various other reasons. This type of polystyrene is smoother, has a uniform surface and offers better flexibility. Due to such attributes, it can be easily changed to blocks and polystyrene panels of desired sizes. For greater insulation results, the blocks are hollowed and filled with concrete. This makes a pattern of beams and columns, where there is no requirement for conventional concrete forms.

Both these types of polystyrene insulation add to overall energy efficiency of the house. Polystyrene is the most efficient and cost effective insulating material available in the market. It is mainly popular due to the ease it offers in transplantation. Polystyrene sheets can be simply placed in the cavity made in the walls. Advanced techniques include spraying the chemical liquid in the vacant space to be filled up. This chemical turns into sturdy polystyrene as soon as it comes in contact with air. It is fast and more efficient leaving no holes or gaps.

Buy Polystyrene and insulated your house to make it energy efficient forever. Visit us at [www.polystyreneps.com](http://www.polystyreneps.com) and order polystyrene products according to your requirement.

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Hazel is an upcoming a [polystyrene](#) author. She has been writing for different sectors since last two

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Article Keywords:

polystyrene, expanded, ps , packaging, blocks

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