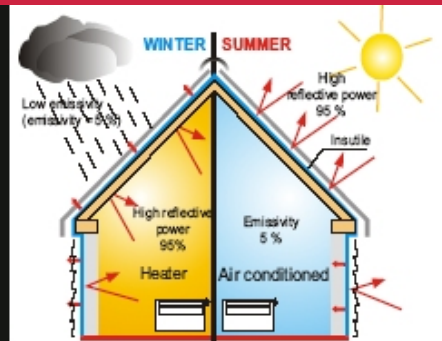
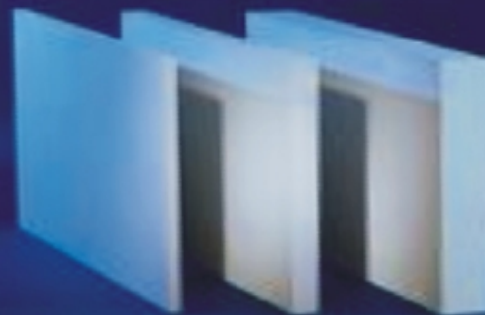


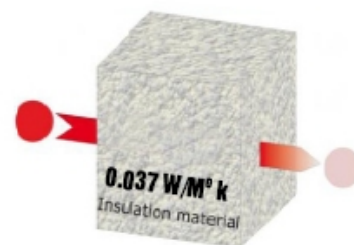
freeze the heat with insutile
freeze the heat with insutile



Around 60% of the power consumed in typical modern homes goes towards heating and cooling, accounting for large chunk of the total electricity bill. Lack of insulation, or too little of it, means that a lot of this power is being wasted. Insulation not only saves money, it makes your home more comfortable ,walls ,ceilings, and floors stay warmer in the winter and cooler in the summer, which helps to maintain a uniform temperature throughout the house. Insulation can also cut down noise from outside. In order to get most out of insulation, it should be chosen and installed correctly.



Scientifically it has been proved that more than 70% heat is transferred to building through the exposed surface of the roof. To check this heat transmission SAMZ Chemical Industries has come with an innovated solution of insulating roofing tiles which are compact and light in weight. These tiles can be laid over the roof for easy walk-ability (like marble finish). Use of these tiles dose not allows the heat to flow, sound to leak or air to infiltrate. These tiles used in residential as well as commercial buildings for thermal insulation with additional advantage of waterproofing and locking system which can not to de-bond the tiles. Use of these tiles can cut down the expanses of electric cost by lowering the heating and cooling cost of buildings and plays positive role diminishing the environmental pollution. NSUtile is economical and affordable for a common man. The cost incurred can be recovered within one year.



Type	white insulating tile
Appearance	white
Weight	4.5 kg/ft ² (approx) ± 100 gms
Thickness	50mm (approx) ± 2-2.5 mm
Size	15 x 15 (inch)
Density	30 kg /m ³ (polystyrene panel used in tile)
Insulation Panel Thickness	25 mm
Thermal conductivity	0.037 W/M ² k (polystyrene panel used in tile)
Water permeability	Impervious to water

- 100% environmentally
- Durable , low thermal conductivity
- Simple & easy application, just like marble tiles
- Reduce heat transmission through roof slab, and increases building comforts
- Aids in reducing air condition power consumption
- Permanent & long lasting

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EXTRA FEATURES

- White color provides solar reflection.
- Using of cement ad-mixture the tile helps to waterproofing.
- Locking system provides strength which can not de-bond the tile.
- Final finish of roof is like white marble finish.

Temperature Comparison Chart

Roof Temperature difference with & without INSUTILE.

TIME	5AM	6AM	7AM	8AM	9AM	10AM	11AM	12AM	1PM	2PM	3PM	4PM	5PM
Temp. Above the roof	29.5 	30.5 	32.4 	34.2 	36.1 	38.35 	40.52 	42.8 	44.1 	45.2 	45.4 	45.5 	45.6
Temp. Below the roof without insulation	26 	27.1 	28 	29.3 	30.73 	32.3 	34.07 	35.9 	37.9 	39.7 	41.35 	42.1 	42.75
Temp. Below the roof with INSUTILE	26 	26 	26.33 	26.66 	27.23 	28.01 	28.82 	29.8 	30.9 	32.14 	33.4 	34.61 	35.65

SUN
 FAN
 Air Conditioner
 Air Conditioner Running @ Economic Level

