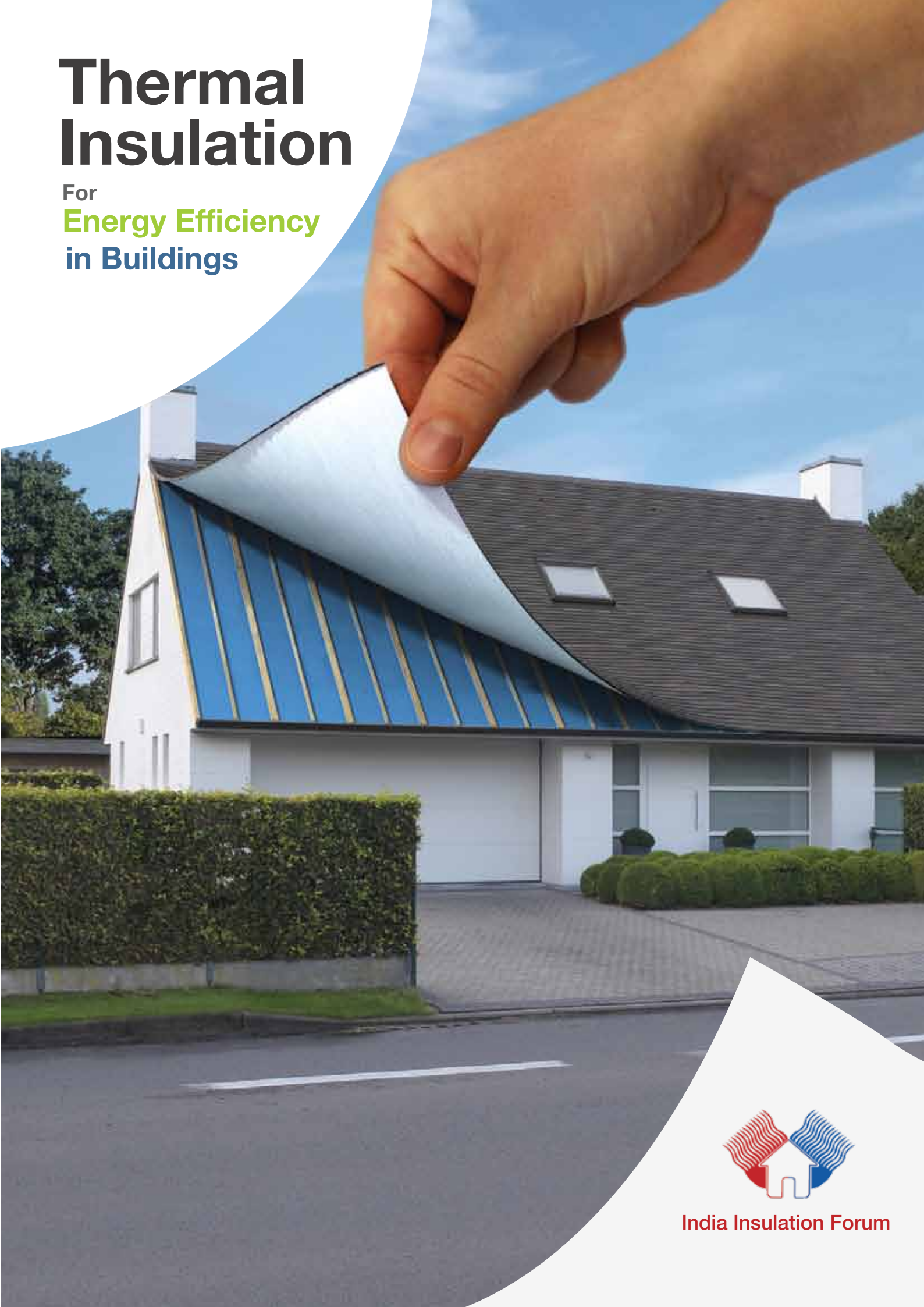


Thermal Insulation

For
Energy Efficiency
in Buildings



India Insulation Forum

Bureau of Energy Efficiency and IPUA (India Polyurethane Association) have collaborated in the establishment of "India Insulation Forum (IIF)" in 2013. The objective of IIF is to enhance awareness of using thermal insulation in building envelope and cold chain industry for energy conservation and efficiency. IIF also coordinates advocacy activities with Government bodies & nodal agencies. It is represented by reputed companies making or applying different insulation materials used for energy efficiency in Buildings.

The IIF membership is open to all concerned with building insulation, beginning with raw material suppliers, processors & applicators, builders & contractors, architects, regulators and end users.

A Core Committee of members from companies such as Lloyd Insulation, Isofoam India, Bayer MaterialScience, Supreme Petrochem, Owens Corning and IPUA has been formed, with Dr. Sameer Maithel & Mr. Ravi Kapoor of Greentech Knowledge Solutions as Advisers.

Thus, simultaneously, the IIF initiative was keeping itself aligned with the crucial Indo-Swiss BEEP project. IIF leads two working groups at BEEP, formed to cover the specific topics of stakeholder awareness and training materials. Dr. Maithel leads the working group on testing of insulation materials.

In order to synergize and formalize the activities of IIF with BEE, the following roadmap is being implemented:

- 1 Stakeholder Awareness Campaign, beginning with Delhi to cover Tier I & II cities (Raipur, Bangalore, Chennai, Vijayawada) in a phased manner. The format to be adopted is that of joint presentations from BEE & IIF with focus on insulation and ECBC implementation.
- 2 In order to help the users, an Online Web Tool to familiarize users with regard to materials, testing, and standards, has been launched.
- 3 An Applicator Capacity Building Program with the goal of offering certified courses is being formulated and will be deployed at various ITI's and other technical training institutes across the country. The first step towards this is the Training Manual which has been released by the BEE in June 2015.

Other alignments include collaboration with Institutes and testing houses like CEPT University's CARBSE, VIMTA, CBRI, Nirma University, Spectro, Isolloyd, Shri Ram Test House and other NABL approved ones for incentivized facilities.

We consider it a privilege that IIF can work with BEE to help bring about the implementation of the ECBC initiative into normative building & construction. We continue to look to your valuable feedback in playing our role effectively.





Why be a member

The India Insulation Forum has the full unction of the Bureau of Energy Efficiency of the Ministry of Power.

- It is an approved body to discuss and facilitate policy change in the most efficient and acceptable manner
- Allows access to key stakeholders in the Construction Industry
- The Forum allows participation in Seminars for Stakeholders, Technical Training Sessions for Applicators, Professionals & Home Owners, and Testing Facilities, which are conducted nationally from time to time.

Membership in the IIF helps the industry voice - and thus your voice - to be heard!

Annual membership:

Rs. 5000/- for individuals & Rs. 10,000/- for corporates, plus service tax.

For more details, please write to indiainsulationforum@gmail.com

Our 5-fold Approach

- **Creating Community through clear messaging**
(Bayer MaterialScience, Isofoam)
- **Nationwide seminars/webinars every quarter**
Co-hosted by BEE with Lab tours
(Lloyd Insulations, IPUA)
- **Website of tools and case studies**
Online help tools, advisory, calculator
(Owens Corning, Bayer MaterialScience)
- **Insulation Materials Testing Facilitation Program**
CEPT University, Spectro, Nirma, Delhi House, Its, VIMTA, Intertek, CBRI, any NABL-approved lab tie-up
Time-bound discounts
(Lloyd Insulations, Supreme Petrochem)
- **Applicator Capacity Building Program**
Partnership with ITI; to seek inclusion in the curriculum
Certified courses (from BEE, ISOPA)
(Lloyd Insulations, Owens Corning)

Please visit www.indiainsulationforum.in

- In this website, FAQs will be addressed, a mine of resources and tools will be publicly available members can learn on the latest on insulation ideas across the country and globally.
- This will also be a platform where technical marketing space will be available for those concerned in the value chain can reach out.



Why should I Insulate

Anyone building or renovating a property today should be aiming to minimize energy requirements. After all, cooling costs need to remain affordable. Cooling accounts for by far the largest proportion of the energy used in commercial and private households (an average of 60%). Effective energy-saving practices must therefore always start with the energy required for cooling.

If you start modernizing the cooling system, in any way, you end up with an oversized system that works hard to compensate for cooling losses through the building envelope. Subsequently, insulating the building is rather like installing an eight-cylinder engine in a small car.

The first step should be to lower energy losses by installing insulation. Only then should you plan how to efficiently cover the remaining cooling energy requirements, for example with renewable energies.

Effective insulation lowers cooling bills and is therefore an important step toward no longer being affected by rising energy prices.

Insulation reduces the amount of energy required and keeps cool in rooms. Interior wall surfaces, ceilings and floors stay in the conditioned temperature and thus prevent the moisture that can allow microbes or mold to flourish. If your building is insulated, it will achieve a better energy certificate rating.

We imagine a future when this increases the value of your property and makes it easier to rent out and this is not in addition to actively helping to protect the climate, insulation plays a key role in significantly reducing the energy consumption and lowering the global CO₂ emissions.

If you are planning to renovate,
bear in mind that insulation is the first and most important step to energy efficiency!



India Insulation Forum

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