

Duratex[®]

Insulation



B.KAY INSULATIONS (INDIA)

AN ISO : 9001 : 2015 CERTIFIED COMPANY

CERTIFIED TO : IS 3308-1981



“Duratex” Wood Wool Acoustic Boards/ Slabs -
“Duratex” Wood Wool Thermal Insulation Boards/ Slabs -
“Duratex” Structural Interlocking Boards/ Slabs -
“Duratex” Fire Resistance Rated Boards/ Slabs -
“DuraHex” Hexagonal Wood Wool Acoustic Boards -

**“DURATEX” WOOD WOOL BOARDS,
LEADING THE WAY IN SUSTAINABLE CONSTRUCTION**

OFFICE ADDRESS

1-A/267, N.I.T., Faridabad-121001,
Haryana, India

+91 9990426060 , 9990425060, 9873367433

FACTORY ADDRESS

41/1 K.M., Mathura Road,
Sector - 59, Part- II,

Kaily, Ballabhgarh - 121004
Faridabad, Haryana

COMPANY PROFILE

We, M/s B. Kay Insulations, are an ISO 9001-2015 certified Manufacturer, Exporter and Supplier of premium "Duratex" Wood Wool Building Boards, known for our product quality and competitive prices. Our Boards apart from having a long functional life, are easy to install and dimensionally accurate. Further, owing to its excellent Thermal and Acoustic properties and high Fire Rating, our Boards are extensively used for roof decking, wall partitions etc. in schools, auditoriums, cinema halls, hospitals, hotels, airports, theatres etc.

Apart from Pan - India supplies, we extensively export these Boards to various other Countries viz Nepal, Sri Lanka, Seychelles, Maldives etc. Our Indian market not only includes private customers but also government departments, PWD, CPWD etc.



OUR PRODUCTS

- DURATEX® standard wood wool Insulation Boards/Slabs, 15-150mm Thick of stn'd width 600mm. Special lengths of 600-3000mm surface texture: both in fine and course fibres. Weight: 25-36 kg./m² Thermal resistance: 0.60-2.80 m² K/W.
- DURATEX® SPECIAL Fire-Resistance-Rated Boards/Slabs having 1-Hr., 2-Hr. rating and jointing Fire-Seal/Gum duly tested and approved by CBRI (Fire Research Laboratory) Govt. of India, Ministry of Home Affairs.
- DURATEX® STRUCTURAL, "INTER-LOCKING" Steel Profile Edged Wall/Roof-Deck Slabs, having maximum Length upto 3000mm and of stn'd width 600mm, Thickness 50 & 75mm.
- DURATEX® High-Density board/slab for "Low-Cost", mass-housing construction, Fixing Accessories, quick construction technique provision for Architectural and Engineering designs "Superior world class technology.
- "DURATEX" Wood Wool Boards are 100% carbon-neutral and are made of 100% renewable material with an environmentally-friendly profile, which is a much needed step in a sustainable direction.
- DURATEX® Insulation boards/Slabs made from long wood fibres of selected species are stabilized by chemical impregnation, mineralized and compressed both under temperature and pressure in Band-Form Hydrostatic machine & duly Auto-Claved as well showing up to advantage for the following properties.
 - ❖ Excellent sound absorption
 - ❖ High fire-rating
 - ❖ Good thermal insulation
 - ❖ Dimensional stability
 - ❖ Non-rotting material
 - ❖ Chemically neutral behavior
 - ❖ Resistant to vermins and fungus
 - ❖ Advisable from the biological point of view
 - ❖ Formaldehyde-free
 - ❖ Excellent plaster bas



EXHIBIT A (Specification of properties of Duratex , Wood Wool Building Board)

● Specific Gravity

- Light board for insulation only	360 kg/m ³
- Denser boards for roofs and permanent shuttering	450 kg/m ³

● Insulation Value

- Light board for insulation only	$\gamma = 0.06 \text{ kcal/mh}^\circ$
- Denser boards for roofs and permanent shuttering	$\gamma = 0.07 \text{ kcal/mh}^\circ$

● Bending Strength

20-30 kg/cm²

● Sound Absorption

For a suspended ceiling of 2.5 cm board

- Frequency	250 500 1000 2000 4000 . c/s
- Absorption Coefficient	0,67 0,48 0,44 0,72 0,7

● Sound Transmission

- Resistance of a plastered wall of 5 cm w.w. boards	36-40dB
- Resistance of a plastered double wall with air space in between	53-57 dB
- Resistance of wall of permanent shuttering with a core of 12 cm concrete	54-56dB

● Fire Resistance (tests according to BS 476)

- 5 cm boards	1 hour resistance
- 7.5 cm boards	2 hours resistance (12 mm plastered both-sides)
- 10 cm boards	2 hours resistance

● Water Resistance

- Emerged in water for 10 years	No deterioration
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● Fungi Resistance

- Resistance against dry rot and fungal growth
- And also impervious to all for of vermin

● Termite Proof

- Termites do not attack the product

● Workability

- Wood wool boards / slabs may be sawn , nailed or painted, can easily be plastered with mortar or gypsum



DURATEX CHARACTERISTICS

- **Good Fire Resistance**

- 1 hour for 50 mm pre-screeded when tested to BS 476
- 2 hour for 75 mm pre-screeded when tested to BS 476
- 2 hour for 100 mm with no screeding as per BS 476

- **Minimum Spread of Flame**

- Zero - Class 1 when tested to BS 476

- **Minimum Fire Propagation**

- Highest rating - Class '0' when tested to BS 476

- **Rot Resistant**

- Resists dry rot and fungal growth

- **Vermin Resistant**

- Is impervious to all forms of vermin

- **Termite Resistant**

- Under compulsion test showed negligible damage

- **Good Thermal Insulation**

- K. Value - 0.065 W/M C

- **Good Sound Absorption**

- Performance data available on request

- **Good Sound Insulation**

- Performance data available on request

- **Exceptional Durability**

- No signs of deterioration after ten years' immersion in water, is unaffected by climatic changes and is resistant to chemicals and coroding agents.



Nestle India Ltd.

India International Centre, New Delhi

India Habitat Centre, New Delhi

Air Force Golf Course, New Delhi

Escorts Herion Ltd, New Delhi

APJ Abdul Kalam University, Silvassa, A&N

Ahmedabad University, Gujarat

Honda Motors Limited, Alwar

Ashoka Hotel, New Delhi

Safdarjung Hospital, New Delhi

Moolchand Hospital, New Delhi

CLIENTS

Hotel Everest International ltd (Nepal)

Goetze India Ltd.

Nathpa Zhakri Power Project (H.P)

Mountaineering Institute

Air Chief Marshal (Residence)

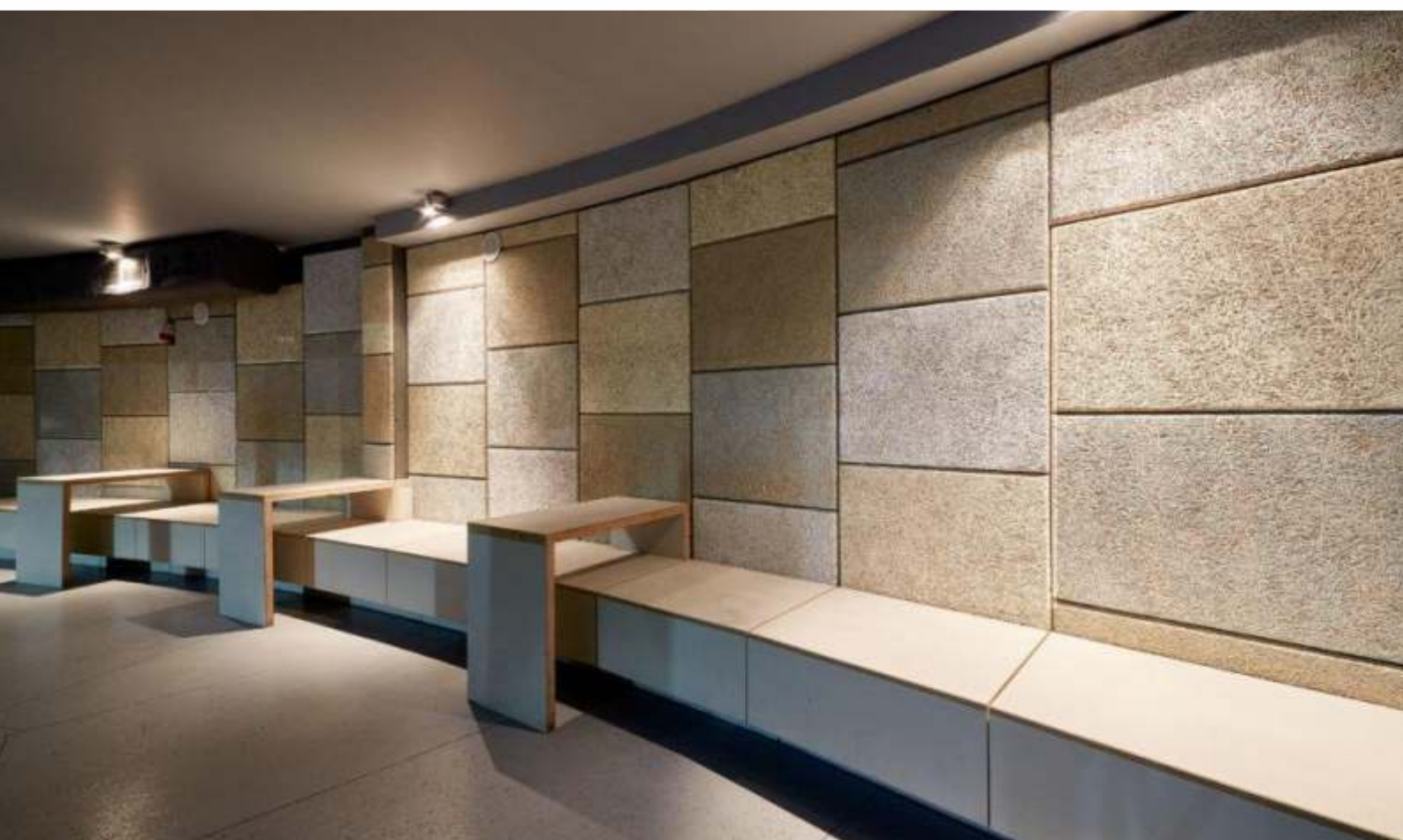
American Hotels & Resorts Pvt Ltd (J&K)

Onida Saka Ltd

National Defence Academy

Ganga Ram Hospital

Oriental Institute Of Science & Technology (Bhopal)



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