

COOL BOARD™

EXTRUDED POLYSTYRENE RIGID FOAM INSULATION PANELS



World's
Best Thermal
Insulation
System
Now in Kerala

COOL BOARDTM
EXTRUDED POLYSTYRENE RIGID FOAM INSULATION PANELS

ASB
Since 1894



THE WORLD'S **SECOND BEST COOLING SOLUTION** IS HERE!

Because nothing beats Mother Nature. Not even us.

In an environment where heat and cold keep alternating, **Cool-Board provides the perfect solution** for the homes across the globe. Installed under the roofing, it **absorbs a major portion of the heat** from the building and ensures a cooler temperature inside; and thus **acts as an energy saver** in both AC and non-AC buildings.

COOL BOARD™

EXTRUDED POLYSTYRENE RIGID FOAM INSULATION PANELS

Cool Board™ is an Energy-Saving, Moisture-Resistant XPS Insulation is an efficient tool for insulating external walls, floors, roofs and ceilings. This insulation system is perfectly suitable for varying Indian climatic conditions.

Heating, cooling and protecting buildings to maintain a comfortable temperature in the interior expends a considerable amount of global energy and monetary resources. Insulating buildings makes interiors comfortable in case of unconditioned space and energy efficient in case of conditioned space. Cool Board™ guarantees 90 percent of its insulating value for 20 years. When the external walls are insulated from heat/moisture ingress, it ensures an even temperature across the interiors.





Green Building being constructed using Cool Board™



APPLICATIONS



Under Metal Roofing

- Minimises heat and maximises thermal comfort within the building
- Enhances acoustic benefits by reducing noise produced by rains or other factors
- Controls cost and energy spent on AC
- Prevents moisture condensation and so cuts corrosion
- Improves aesthetics from interior



False Ceiling

- Excellent heat insulation
- Light and easy to handle, helping fast installation
- Low water permeability
- High load capacity



Overdeck Insulation

- Helps non-air conditioned buildings maintain comfortable temperatures inside
- Reduced spending on weather control mechanisms
- Enhances life of the building by minimizing occurrence of cracking, thermal stress and leakage



Underdeck Insulation

- Insulate against moisture seepage and dampness enhancing the life of the building
- Cuts down heat reflectivity thereby providing more comfort within its interiors.
- Enhances life of the building by minimizing occurrence of cracking, thermal stress and leakage



Floor Insulation

- Apt for server rooms
- Maintains ceiling surface of the floor above dew point
- Prevents condensation of bottom slab surface



Wall Insulation

- Longest lasting thermal insulation system
- Maintains uniform temperature across the building
- Saves space as the system is installed on the exterior
- Can be customised to suit specific insulation requirements
- Flexible for incorporating preferred finish and textures for aesthetic appeal

WHY COOL BOARD?

- The advantage of choosing COOL BOARD is it offers a good thermal insulation for a long period of time. i.e. it maintains a low thermal conductivity.
- COOL BOARD being light weight makes it a versatile product in application.
- Water absorption is less than 1% which helps it to maintain its long term performance.
- COOL BOARD maintains its original form thus giving excellent longevity.
- It is perfectly suitable for varying Indian climatic condition.

AREAS OF APPLICATION

COMMERCIAL

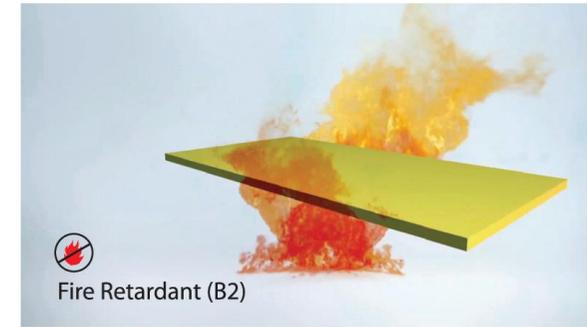
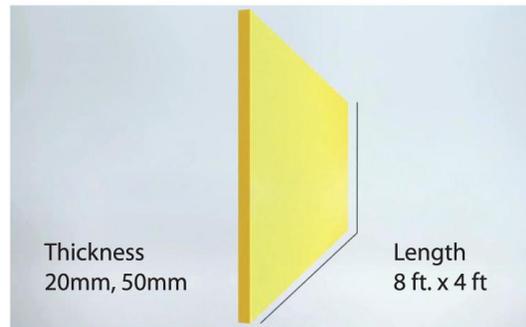
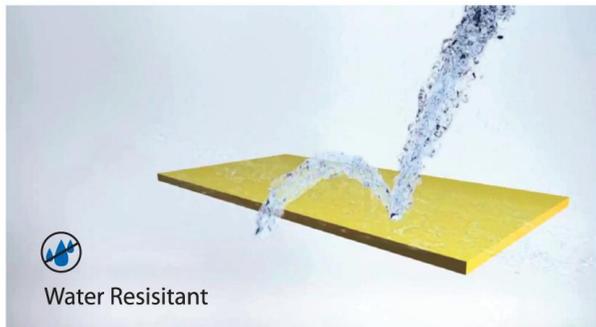
- ☑ Hospitals
- ☑ Shopping Complex
- ☑ Hotels
- ☑ Warehouses
- ☑ Theatres

RESIDENTIAL

- ☑ Villas
- ☑ Flats
- ☑ Houses

FEATURES

- Cuts down heat
- Easy to handle
- Enhances lifespan of buildings
- Energy Saving
- Cut down Air Condition cost
- Moisture Resistant
- Highly durable



COOLS BETTER AND KEEPS COOLER
WITH **COOL BOARD**™



Then why choose Gypsum Board for False Ceiling ?

Cool Board maintains its Low Thermal Conductivity over a longer period of time compared to other insulation products. That is other insulation products tend to absorb moisture from the atmospheric air thus losing its thermal insulation performance since water is a good conductor of heat. Cool Board is light weight thus making applications versatile

Gypsum Board

- Doesn't reduce Heat
- Not Moisture resistant
- Not easy to handle
- Not necessarily 100% fire proof
- Lifespan is not guaranteed
- Expand or shrink due to atmospheric condition

COOL BOARD

- ☑ Reduces Heat
- ☑ Moisture resistant
- ☑ Light and easy to handle
- ☑ 100% fire proof
- ☑ Enhances lifespan of buildings
- ☑ Doesn't expand or shrink due to atmospheric condition



Mr. Rajesh Antony, Roofing Contractor

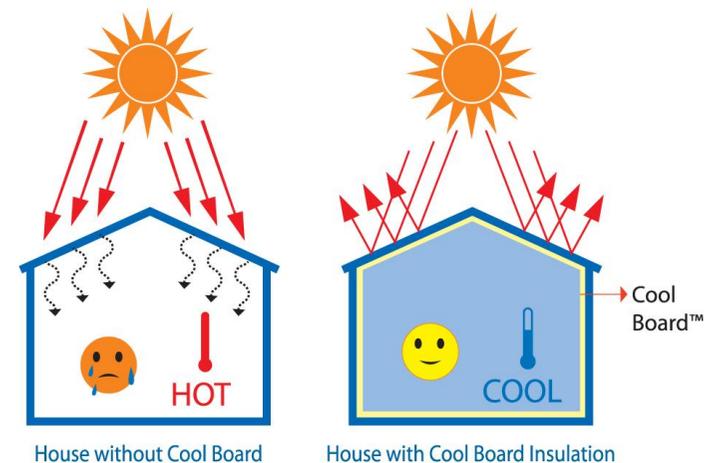
COOLBOARD CAN REDUCE HOT & ELECTRICITY BILL TOO

There are many advantages of replacing gypsum board with Cool Board. It insulates the interior from exterior heat. The usage of ceiling fan, air conditioner and exhaust fan can be reduced. Thus the usage of Cool Board will lead to energy saving too. As Cool board as many advantages, its been the No.1 choice of Architects, Engineers, Consultants & Contractors for Insulations.

PRODUCT DETAILS

PROPERTY	UNIT	COOL BOARD
Compressive Strength	kpa	250 to 700
Thermal Conductivity Day 1 @10C	W/mk	0.020
Thermal Conductivity Day 180 @10C	W/mk	0.027
Thermal Conductivity Day 1 @24C	W/mk	0.021
Thermal Conductivity Day 180 @24C	W/mk	0.029
Water absorption rate	%(v/v)	>1%
Fire rating		B2

HOW IT WORKS ?



INSTALL COOLBOARD TO REDUCE THE INTERNAL ROOM TEMPERATURE
AESTHETICALLY PLEASING AND LONG LASTING SYSTEM FOR ETERNAL COOLING



A.M. Mohammed Usman & Brother

(An ISO 9001 : 2000 Certified Firm)

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