



TM
TIGER
SHIELD



TIGER THERMAL INSULATION CO. SOLUTION FOR

❖ INDUSTRIAL ❖ WAREHOUSES ❖ AGRICULTURE ❖ DOMESTIC ❖ ROOFING ❖ POULTRY FARM

TIGER THERMAL AIR BUBBLE INSULATION PRODUCTS

❖ Introduction of 7 layer Tiger Thermal Air Bubble Insulation Sheet In INDIA Introduction

Tiger Thermal Insulation Co. Please to introduce ourselves as one of the leading manufacturers of 7 Layer Air Bubble Insulation with latest technology/machinery and methods. Apart from having comprehensive product range we assure you the best quality in industry and we committed to deliver it. We have team of qualified engineers, professionals and specialized R&D department to upgrade our product quality and range. The company is supported by JS Engineering Projects Group, Faridabad which is well known name in the field of Sheet metal works Since 1980.

❖ ARCHITECT SPECIFICATION

The reflective insulation material shall be made up high resistance anti corrosive both side pure aluminum foil with closed cell non-toxic fiber free PE bubble in between manufactured by Tiger Thermal Insulation Co. Consist low Emissivity 3%(ASTM 1371), Reflectivity 97% (ASTM 408), Fire Retardant (BS Part 6, Part7), Aluminum Foil Thickness - 12 microns.

❖ PRODUCT RANGED

5 Layer Single Bubble 4mm, 6mm, & 10mm

7 Layer Single Bubble 8mm (4mm Double Layer), 12mm (6mm Double Layer), & 20mm (10mm Double Layer)

9 Layer Single Bubble 12mm (4mm Triple Layer), 18mm (6mm Triple Layer)

❖ PRODUCT SPECIFICATION

TIGER Air Bubble Insulation Sheet Madeup with high resistance anti corrosive reflective foil both side with closed cell Non Toxic Fiber Free PE Bubble in between. It's Fire Retardant (BS 406 PART 6 & PART 7) - Class 0-1. Its Operatating Temperature is - 40° to + 90°.

	TIGER SHIELD SUPER	TIGER SHIELD SUPER PLUS	TIGER SHIELD DOUBLE BUBBLE	TIGER SHIELD WRAP BIG	TIGER SHIELD DOUBLE PLUS	TIGER SHIELD WRAP UNIQUE
Thickness	4mm	6mm	8mm	10mm	12mm	20mm
Roll Size	1.25 x 60	1.25 x 40	1.25 x 40	1.25 x 30	1.25 x 30	1.25 x 16
Reflectively	97%	97%	97%	97%	97%	97%
Emissivity	3%	3%	3%	3%	3%	3%
Operating Temp.	-40° to 90°	-40° to 90°	-40° to 90°	-40° to 90°	-40° to 90°	-40° to 90°
Roll in Sqmt.	75 Sqmt	50 Sqmt	50 Sqmt	37.5 Sqmt	37.5 Sqmt	20 Sqmt
Layers	5 Layers	5 Layers	7 Layers	5 Layers	7 Layers	7 Layers
R Value	2.98 M ² °K/W	3.00 M ² °K/W	3.10 M ² °K/W	3.18 M ² °K/W	3.20 M ² °K/W	3.70 M ² °K/W



APPLICATION TIGER SHIELD INSULATION AIR BUBBLE



☺ TIGER ROOFING INSULATION

Insulating roofs of your home or industrial building controls temperature variation, provides thermal insulation, resistance against bad weather, etc. which indirectly saves energy and cost saving.



☺ TIGER WALLS INSULATION

Our air bubble insulation enhances thermal wall performance by lowering heat radiant transfer. The product is suitable for all types of walls such as the wooden frame, metal, cement, etc.



☺ TIGER CEILING INSULATION

Our cost-effective and easy to install insulation material is effective in controlling air and vapor. Along with this it surely provides thermal insulation too.



☺ TIGER HVAC (Heating, Ventilating & Air Conditioning Insulation)

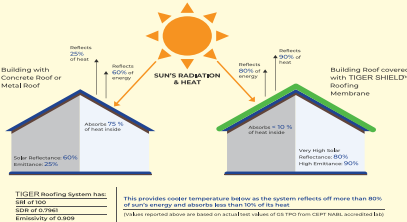
The 7 layer air bubble insulation is best insulating material for maintaining heat, ventilation and air condition in a closed space. Because of its structure and high performance, it can be used in multiple areas like industry premises, residential home, aerospace companies etc.



☺ TIGER SHIELD INSULATION IN POULTRY HOUSE

Maintains the Temperature UV Protection from UV Rays Disease Management Protects from Climate Change

TIGER THERMAL INSULATION



BENEFITS OF TIGER SHIELD AIR BUBBLE INSULATION

- ✓ Shields from Heat
- ✓ Waterproofs
- ✓ Minimum 15 years of Life Span
- ✓ Protects from Natural Weathering

▲INSULATION: THE OBJECTIVE

The crisis globally has brought about an increase in significant economic savings. The need to insulate buildings at all exposed or susceptible surfaces from inside or outside is an in reality that finally goes on to increasing the comfort of occupants both temporary and permanent, humans and livestock and final and goods that are heat and moisture sensitive.

And the objective stems from a basic understanding to keep the heat out during summers and to keep the heat in during winters. In one the insulation effective and efficient, it needs to be well protected with a good air and vapour barrier which Tiger Thermal Insulation for extremely well.

▲A GOOD INSULATION SYSTEM

The surfaces that create or make the cover of envelope of any building including its sub structural system is mainly composed of five elements: general weather barrier, an error barrier, the insulation, the vapour and the interior finishing All these together must *provide thermal resistance *limit air flow *limit diffusion of moisture *allow moisture to evaporate towards exterior from envelope.

❖END-USER INDUSTRIES

▲ROOFING & WALL CLADDING

The need is to cut down the heat from the largest exposed surface area. Integrating Tiger thermal Reflective insulation conventional single or multi layered roofing systems provides efficient and comfortable working environment industries. The benefit of integration by the roofing solutions provider helps deliver a better wholesome so end user.

▲THE AGRICULTURE / DAIRY / POULTRY FARMING INDUSTRIES

All these industries comprise of building such as stable, barns and crop stores which are exposed to no transpiration and excretion from animals, exhaust fumes from agriculture vehicles, high level of condensation affect the building construction along with existing weather conditions. In all the above it make sense to first keep the heat out while retaining acceptable moisture content in order to provide a conduct environment for both humans and animals.

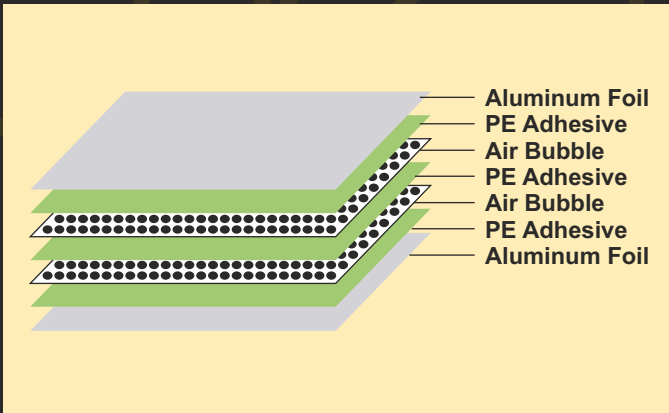
▲THE TEXTILE / SPINNING / GARMENT / ENGINEERING / WAREHOUSE INDUSTRIES

All these even today work with two common factors a mix of old and new heat producing machinery and second, a large human workforce. To ensure better working environment inside, Tiger Thermal reflective insulation to primarily cut down external heat gain by above 90% making it more effective for a more workable environment.

TIGER SHIELD ADVANTAGE AGAINST CONVENTIONAL INSULATION

Conventional Insulation (Such as Glass Wool, Rock Wool)	TIGER SHIELD (Reflective Insulation)
Based on Absorption (absorbs heat and moisture)	Based on reflection means low emissivity (block heat and moisture)
Absorbs most of radiation heat	Reflects most of radiation heat (blocks 97% of radiation heat)
Bulky material-degrades performance year by year	Light weight, no degradation, lasts life long.
Complicated installation, spacers needed to keep thickness intact, actual thickness matters	Easy and fast installation
Health hazardous products	No space required
Wire mesh needed wastage of time and money	Environment friendly
	No wire mesh needed, saves time and money

STRUCTURE OF 7 LAYER TIGER THERMAL INSULATION AIR BUBBLE



HEAT REFLECTIVE INSULATION



TIGER
SHIELD™

TIGER THERMAL INSULATION CO

Address : Khasra No. (4/2)

Lohia Wali Gali Village Pali, Faridabad 121004 Haryana India

Email : info@bubbleinsulations.com, ceo@bubbleinsulations.com

Phone No : 0129-2480184, 2481045

Mobile : 9810004006, 9811846173, 7278131313

Web : www.bubbleinsulations.com, www.tigershield.co

Find us on Facebook <https://www.facebook.com/tigerairbubbleinsulation>

