



ThermaNex

Built to cool, Engineered to Last



www.thermanex.in

About Us

At ThermaNex, we are redefining thermal comfort, energy efficiency, and sustainability. From our advanced manufacturing facility in Hosur, Tamil Nadu, we produce premium air bubble insulation, XLPE insulation, and heat-protection solutions for industries across India.

We believe insulation is more than a material—it's a promise of comfort, safety, and responsible living. Our solutions support residential, commercial, and industrial projects with high-performance, eco-friendly protection designed for long-term value.

OUR PRODUCT LINES

NexFoil – Air Bubble Insulation NexFoil delivers superior reflective insulation with advanced multi-layer bubble technology. It minimizes heat transfer, enhances energy savings, and is ideal for roofing, walls, ducts, and industrial structures. Its lightweight design and durability make it a reliable choice for efficient thermal management.

NexShield – Heat Protection Solutions NexShield provides robust protection against extreme heat, environmental impact, and structural stress. Designed for industrial and the applications in supply chain and logistics operations like transport of temperature sensitive products, food delivery personals, etc, it safeguards equipment and enhances operational safety. Its tough, multi-layer build ensures reliable performance in harsh conditions.

NexFoam – provides durable closed-cell XLPE insulation with superior thermal resistance and moisture protection for HVAC, cold storage, and industrial applications.



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NexFoil

NexFoil is our premium range of air bubble insulation sheets, designed to provide superior thermal protection across industrial, commercial, and residential spaces. Crafted with multi-layered reflective films and high-quality polyethylene bubbles, NexFoil offers efficient heat insulation, helps reduce energy costs, and ensures long-lasting durability in all climate conditions.



NexFoil Spark

NexFoil Spark is a high-performance reflective insulation designed to offer reliable thermal protection across a wide range of environments.

PRECISION ENGINEERED PERFORMANCE

SIZE	SPECIFICATIONS
Nominal Thickness : 4 mm Bubble Size : 4mm x 10mm Roll Size (WxL) : 1.25mx40m	Single Air Bubble Layer Emissivity : 0.033 Reflectivity : 0.97
PROPERTY	VALUE
Operating Temperature	-50C to +110C
Pure Aluminium Foil/MetPet/ Alupet Laminations	Both Sides

NexFoil Core

NexFoil Core is a durable and efficient reflective insulation solution crafted with a 6 mm single-layer air bubble core and laminated on both sides with aluminium foil.

PRECISION ENGINEERED PERFORMANCE

SIZE	SPECIFICATIONS
Nominal Thickness : 6 mm Bubble Size : 6mm x 18mm Roll Size (WxL) : 1.25mx40m	Single Air Bubble Layer Emissivity : 0.033 Reflectivity : 0.97
PROPERTY	VALUE
Operating Temperature	-50C to +110C
Pure Aluminium Foil/MetPet/ Alupet Laminations	Both Sides



Engineered to Supply Your Success.



NexFoil Nova

NexFoil Nova is a premium-grade insulation material designed with a 10 mm single-layer air bubble core and laminated with pure aluminium foil on both sides.

PRECISION ENGINEERED PERFORMANCE

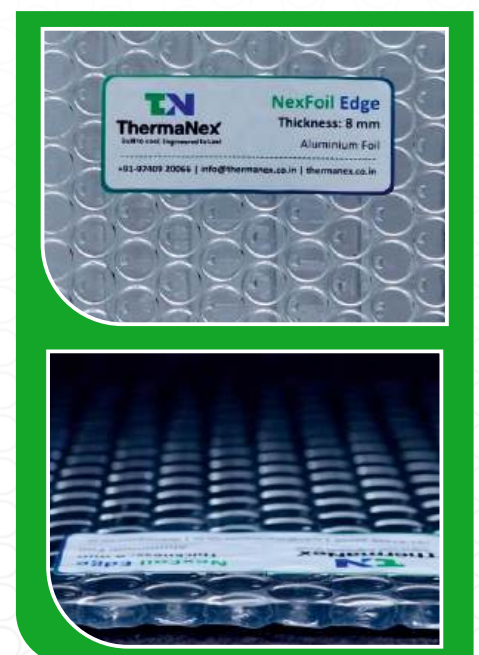
SIZE	SPECIFICATIONS
Nominal Thickness : 10 mm Bubble Size : 10mm x 30mm Roll Size (WxL) : 1.25mx40m	Single Air Bubble Layer Emissivity : 0.033 Reflectivity : 0.97
PROPERTY	VALUE
Operating Temperature	-50C to +110C
Pure Aluminium Foil/MetPet/ Alupet Laminations	Both Sides

NexFoil Edge

NexFoil Edge is a high-efficiency reflective insulation product featuring a double air bubble layer, laminated on both sides with aluminium foil.

PRECISION ENGINEERED PERFORMANCE

SIZE	SPECIFICATIONS
Nominal Thickness : 8 mm Bubble Size : 4mm x 10mm Roll Size (WxL) : 1.25mx40m	Double Air Bubble Layer Emissivity : 0.033 Reflectivity : 0.97
PROPERTY	VALUE
Operating Temperature	-50C to +110C
Pure Aluminium Foil/MetPet/ Alupet Laminations	Both Sides





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Built to Enhance Your Efficiency



NexFoil Pulse

NexFoil Pulse is a heavy-duty reflective insulation product featuring a 12 mm double-layer air bubble core, laminated on both sides with pure aluminium foil.

PRECISION ENGINEERED PERFORMANCE

SIZE	SPECIFICATIONS
Nominal Thickness : 12 mm Bubble Size : 6mm x 18mm Roll Size (WxL) : 1.25mx40m	Double Air Bubble Layer Emissivity : 0.033 Reflectivity : 0.97
PROPERTY	VALUE
Operating Temperature	-50C to +110C
Pure Aluminium Foil/MetPet/ Alupet Laminations	Both Sides

NexFoil Ultra

NexFoil Ultra represents the highest standard in the NexFoil range, featuring a 20 mm double-layer air bubble core with pure aluminium foil lamination on both sides.

PRECISION ENGINEERED PERFORMANCE

SIZE	SPECIFICATIONS
Nominal Thickness : 20 mm Bubble Size : 10mm x 30mm Roll Size (WxL) : 1.25mx30m	Double Air Bubble Layer Emissivity : 0.033 Reflectivity : 0.97
PROPERTY	VALUE
Operating Temperature	-50C to +110C
Pure Aluminium Foil/MetPet/ Alupet Laminations	Both Sides



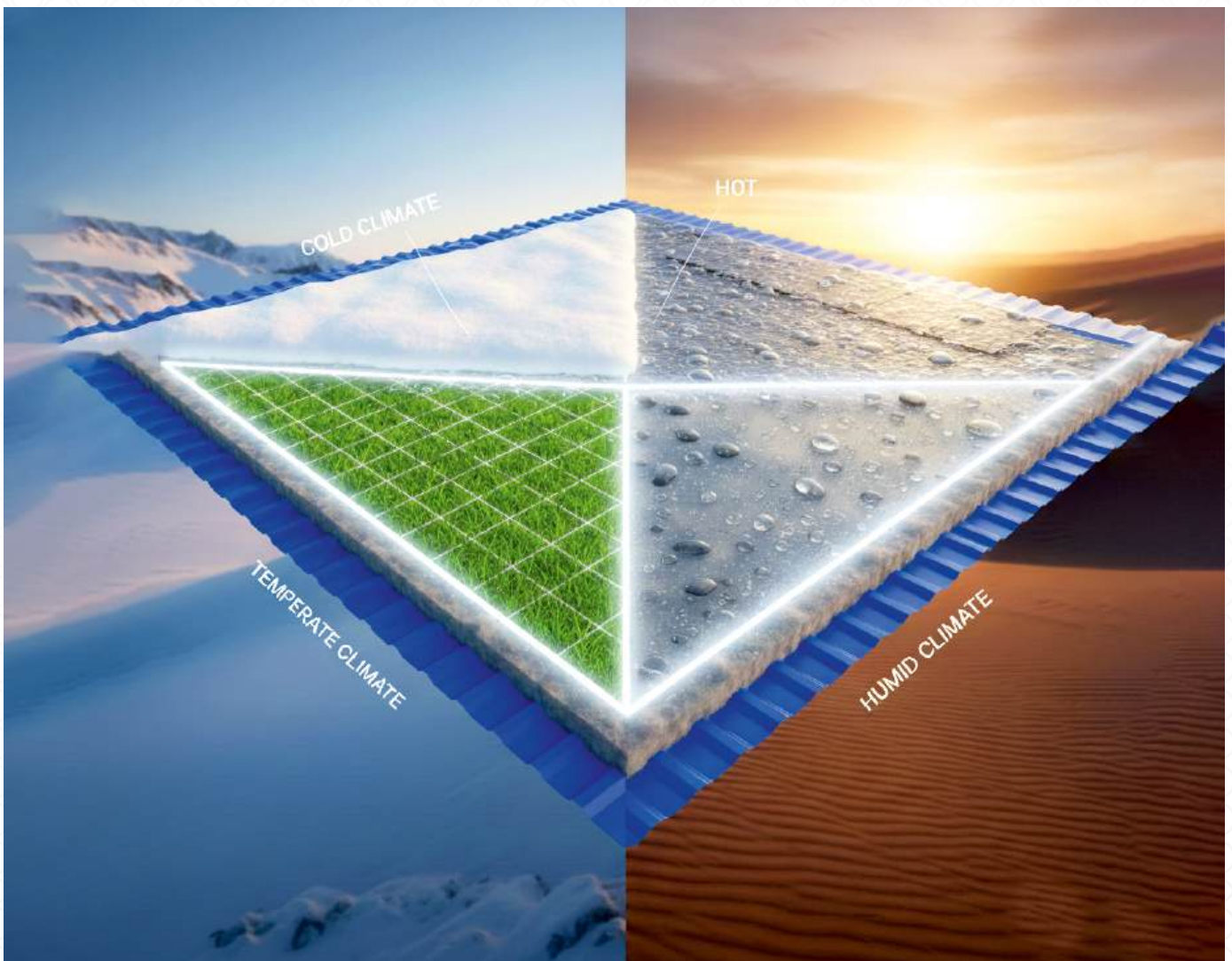


NexFoil Signature

NexFoil Signature is the flagship insulation solution in the NexFoil range, engineered with a unique triple-layer air bubble structure and laminated with pure aluminium foil on both sides.

PRECISION ENGINEERED PERFORMANCE

SIZE	SPECIFICATIONS
Nominal Thickness : 12 mm Bubble Size : 4mm x 10mm Roll Size (WxL) : 1.25mx30m	Tripple Air Bubble Layer Emissivity : 0.033 Reflectivity : 0.97
PROPERTY	VALUE
Operating Temperature	-50C to +110C
Pure Aluminium Foil/MetPet/ Alupet Laminations	Both Sides



Applications

Discover how ThermaNex insulation transforms spaces with smart, energy-efficient solutions from warehouses to homes and packaging, ThermaNex delivers performance, savings, and reliability across every industry and climate.

Solutions for Every Sector



Residential & Commercial Buildings



Cold Storage & Warehouses



HVAC Systems



Agricultural Uses



Industrial Facilities



Prefabricated & Temporary Structures



Transport & Logistics



Healthcare & Clean Rooms



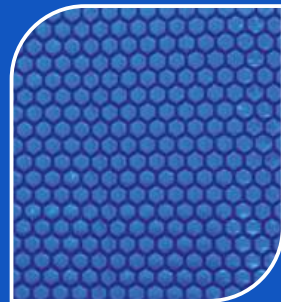
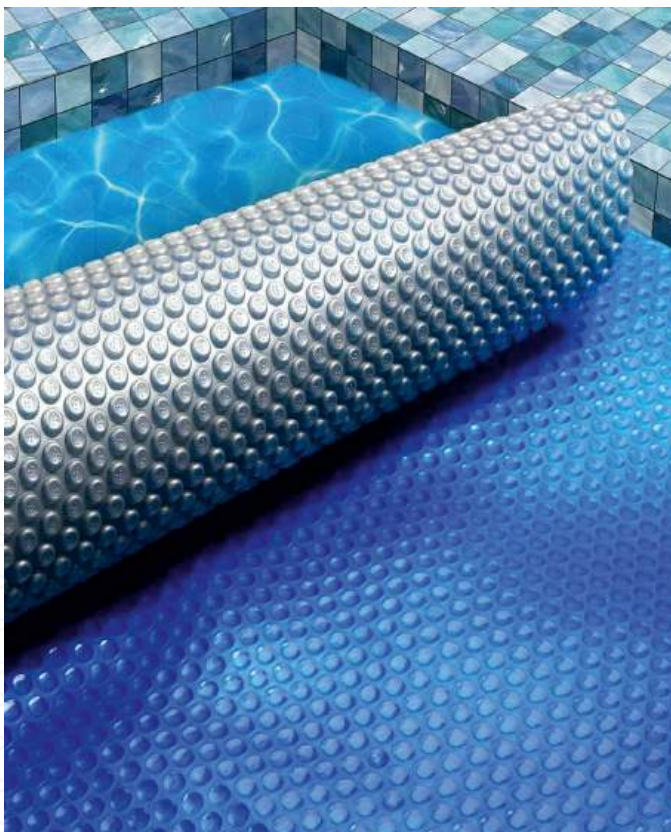
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NexShield

NexShield offers customized insulation covers and protective packaging made from LDPE and air-bubble films. Designed for durability, weather resistance, and energy efficiency, it is ideal for water tanks, swimming pools, and impact sensitive products providing long-lasting, cost-effective protection tailored to your needs.

- Cool Water In Summer
- Affordable
- Normal Water In Winter
- Longer Life



LDPE Swimming Pool Covers

Extend your pool's life and save maintenance costs. NexShield LDPE Covers prevent evaporation, keep the pool cleaner, and help maintain steady water temperature.

PRODUCT SPECIFICATION

- Durable LDPE material with UV protection
- Flexible single or double-bubble structure
- Thickness options from 300–700 microns
- Custom-fit for any pool shape or size
- Strong UV resistance for long outdoor life
- Excellent heat retention, reduces water heat loss



Genuine 400-micron Construction

Innovative Isothermal Technology



Air Bubble Packaging Bags

Lightweight, shock-resistant bubble rolls designed for safe transportation of fragile goods. Versatile, moisture-resistant, and perfect for industries needing reliable protective packaging.

PRODUCT SPECIFICATION

- Strong bubble cushioning
- Single or double-layer options
- Lightweight & moisture-resistant
- Easy to cut and wrap any shape
- Multiple width options



Air Bubble Insulation Boxes (Customised)

For temperature-sensitive products, NexShield offers customised insulation boxes that maintain stable temperatures during storage or transit—ideal for food, pharma, and electronics.

PRODUCT SPECIFICATION

- Custom sizes & shapes
- Multi-layer bubble insulation
- High thermal efficiency
- Strong yet lightweight
- Optional branding available
- Moisture-resistant materials





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NexFoam

NexFoam delivers high-performance XLPE insulation with superior thermal resistance, sound absorption, and long-lasting durability—ideal for modern industrial, commercial, and residential needs.

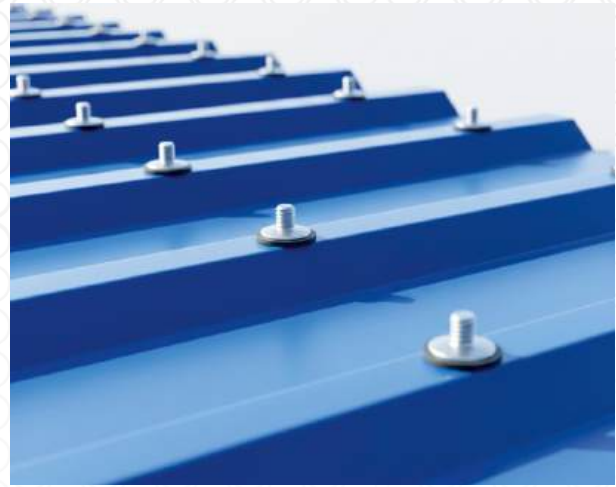


“Our Upcoming Product.....”

BUBBLE INSULATION & XLPE – PREMIUM INSTALLATION GUIDE



Step 1 : Unroll from ridge to eave, stretch firmly, and fix using drilling screws.



Step 2 : Place the metal sheet on top and screw it tight.



Step 3 : Match the next sheet, overlap cleanly, staple firmly.



Step 4 : Match the purlin spacing, place under the roof sheet, and secure with G.I wire.

THERMANEX NEXFOIL PRODUCTS

Product Name	Thickness	Air Bubble Layer	Width (Meter)	Length (Meter)	Roll Size (Sq. Meter)
Nex Foil Spark	4mm	Single	1.25	40	50
NexFoil Core	6mm	Single	1.25	40	50
NexFoil Nova	8mm	Double (4mm x 2)	1.25	40	50
NexFoil Edge	10mm	Single	1.25	40	50
NexFoil Pulse	12mm	Double (6mm x 2)	1.25	40	50
NexFoil Ultra	20mm	Double (10mm x 2)	1.25	30	37.5
NexFoil Signature	12mm	Tripple (4mm x 3)	1.25	30	37.5

Outer Reflective Layer: Pure Aluminium Foil or AluPet or MetPet

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