
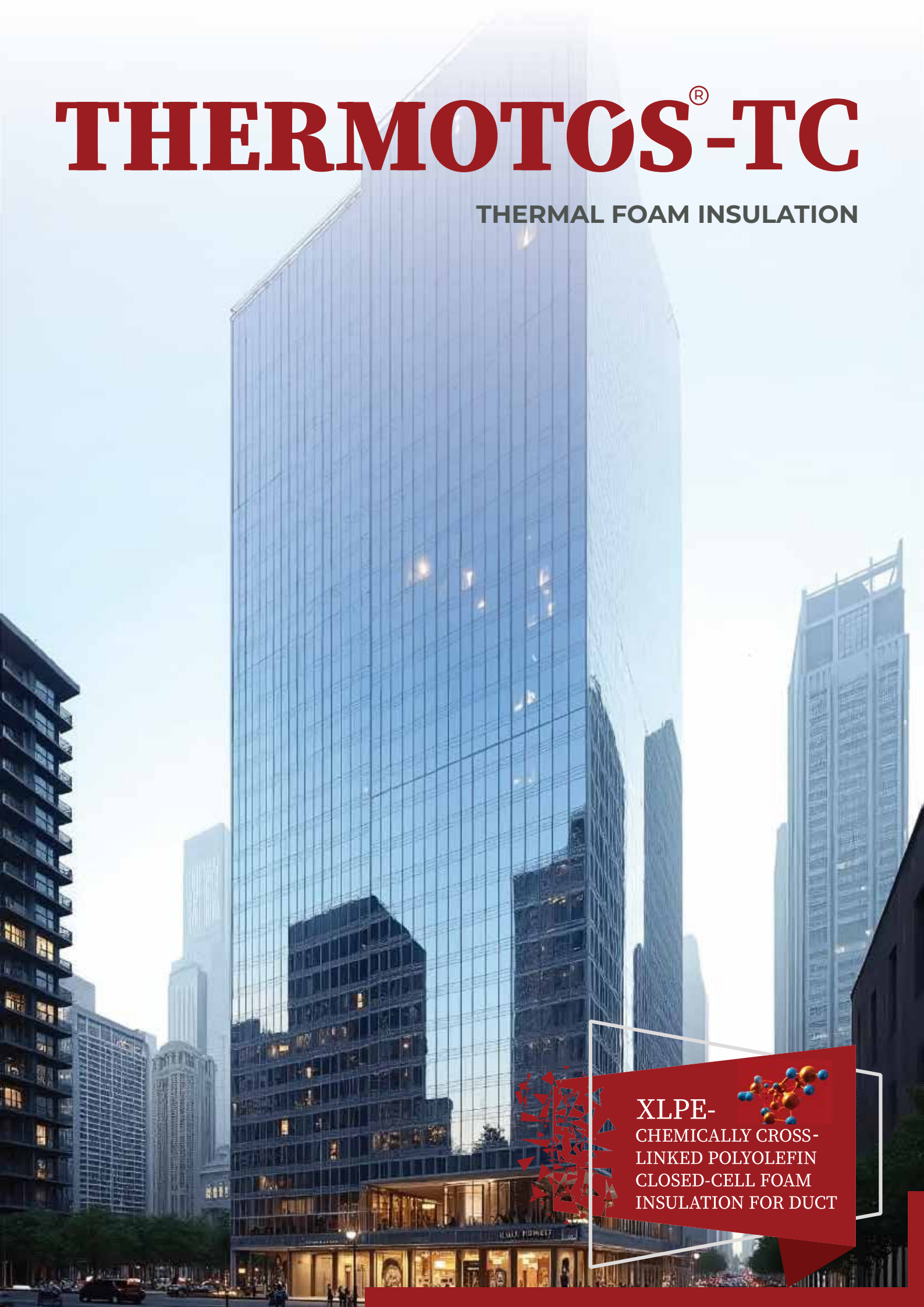


# THERMOTOS<sup>®</sup>-TC

THERMAL FOAM INSULATION



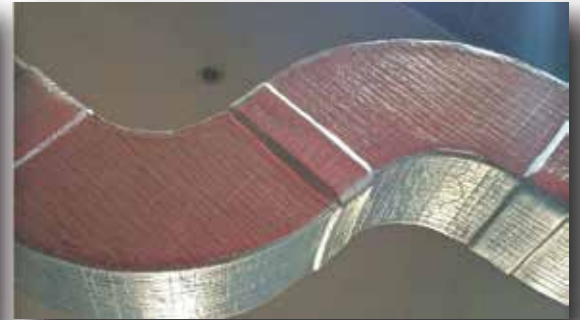
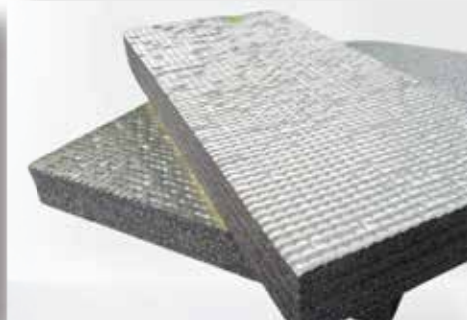
**XLPE-**  
CHEMICALLY CROSS-  
LINKED POLYOLEFIN  
CLOSED-CELL FOAM  
INSULATION FOR DUCT

**Thermotos®** is a high-performance insulation product manufactured from polyolefin, perfectly suited for HVAC systems, roof insulation, walls, and pipe insulation. It delivers exceptional performance across various applications.

Thermotos® embodies cutting-edge innovation, utilizing irradiation technology to produce chemically cross-linked closed-cell foam. It meets the stringent standards of Fire Retardant Class 0 (BS476 PART 6 & 7) and Flame Spread and Smoke Developed indices (ASTM E84), ensuring superior safety for building insulation.

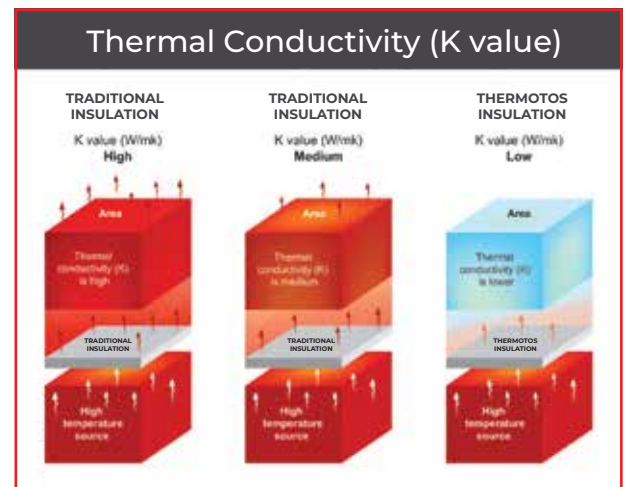
With over 15 years of expertise, EAP Group manufactures Thermotos® foam, revolutionizing insulation products with integrated foil layers. Thermotos® enables significantly faster and more efficient installation compared to traditional insulation technologies.

Thermotos® products come with a certified 10-year warranty, ensuring exceptional durability and longevity.



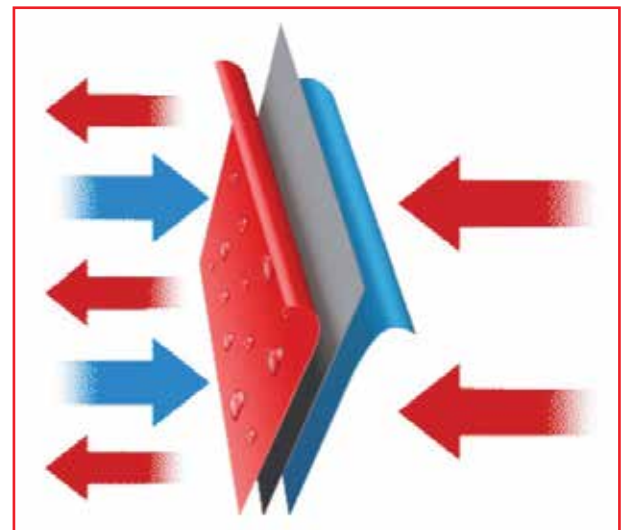
## Technically Superior

Our unique cross-linked technology results in a finer, more uniform cell structure, directly impacting thermal conductivity and vapor permeability—crucial factors for insulation performance. Both are critical factors in an insulation system.



## Vapour Permeability

This property ensures that thermal conductivity remains stable for up to 15 years, significantly contributing to building sustainability and reducing energy costs.



# THERMOTOS®-TC

THERMAL FOAM INSULATION

## TECHNICAL SPECIFICATION

Material:	XLPE / Chemically Cross-linked Closed Cell Polyolefin Foam
Reinforced/Covering	Alupet foil (FR) Aluminium foil (FR)
Density: (ASTM C302)	25 kg/m <sup>3</sup> (core foam only) (custom density by request & confirmation)
Temperature Range: (ASTM C534)	-80 °C to +100 °C
Thermal Conductivity (ASTM C518)	0.032 W/mK (@23°C mean Temp)
Water Vapor Transmission: (ASTM E96)	1.1 x 10 <sup>-2</sup> g/m <sup>2</sup> .hr , 1.5 x 10 <sup>-2</sup> grain/ft <sup>2</sup> .hr
Water Vapor Transmission: (ASTM E96)	2.09 x 10 <sup>-9</sup> g/Pa.m <sup>2</sup> .s , 3.7 x 10 <sup>-2</sup> Perm
Permeability Resistance:	μ >80,000
Resistance to fungi: (ASTM G21)	Zero Growth (Result Test: 0 )
VOC Emission Rate: (ASTM D5116)	Low VOC emitting
Fire Rating: (BS 476 part 6 & 7 )	Class-O
Flame Spread and Smoke Developed indices: (ASTM 84)	COMPLIES (NFA 255 / UL 723 / UBC 9-1) , Flame Spread Index 5 (<25) Smoke Developed Index 20 (<50)
Ozone Resistance:	CFC,HFC & HCFC Free-Excellent
UV Resistance:	Excellent
Noise Reduction Coefficient: (ASTM C423)	NRC 0.30
International Organization for Standardization: (ISO 9001:2015)	Quality Management Systems (QMS)

### AVAILABLE DIMENSIONS:

>03 mm	1.2mm	30mm	36m <sup>2</sup> Roll
>04mm	1.2mm	30mm	36m <sup>2</sup> Roll
>05 mm	1.2mm	30mm	36m <sup>2</sup> Roll
>06 mm	1.2mm	30mm	36m <sup>2</sup> Roll
>08 mm	1.2mm	30mm	36m <sup>2</sup> Roll
>10 mm	1.2mm	20mm	24m <sup>2</sup> Roll
>12 mm	1.2mm	20mm	24m <sup>2</sup> Roll
>15 mm	1.2mm	20mm	24m <sup>2</sup> Roll
>20 mm	1.2mm	12mm	14.4m <sup>2</sup> Roll
>25 mm	1.2mm	04mm	4.8m <sup>2</sup> Roll
>30 mm	1.2mm	2mm	2.4m <sup>2</sup> SHEET
>40 mm	1.2mm	2mm	2.4m <sup>2</sup> SHEET
>50 mm	1.2mm	2mm	2.4m <sup>2</sup> SHEET

Available in custom sizes upon request

Available with or without Self-adhesive

Available Gray/Black color of core foam



**Notice:** The details presented for THERMOTOS products are accurate and dependable to the best of our knowledge. All information serves as a reference and may be revised without prior notice. It does not constitute a warranty for specific product features or form a legally binding agreement.

# THERMOTOS®

THERMAL FOAM INSULATION

## Thermotos Insulation Calculation Overview:

By utilizing THERMOTOS calculation tool, User can access tailored recommendation and a comprehensive techno economic analysis to maximize energy efficiency.

### THERMOTOS®

Insulation Calculator

Welcome Back

Sign in to [continue](#)

Email

Password

Forgot Password?





New user? Sign up

## Distribution Grid





### Head Office:

Plot#12, Street#2, Industrial Area, Katar Bund Road, Thokar, PO Box 53700 Lahore, Pakistan.

-  +92 42 35299447
-  info@thermotos.com
-  export@thermotos.com
-  www.thermotos.com

### Plant:

Main Road, Fazal Town, Near Shandy Cola, Sheikhupura road, PO Box 57000 Lahore, Pakistan

-  export@thermotos.com
-  www.thermotos.com