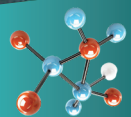


THERMOTOS[®]-TC

THERMAL FOAM INSULATION



XLPE-
CHEMICALLY CROSS-
LINKED POLYOLEFIN
CLOSED-CELL FOAM
INSULATION FOR PIPE



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.

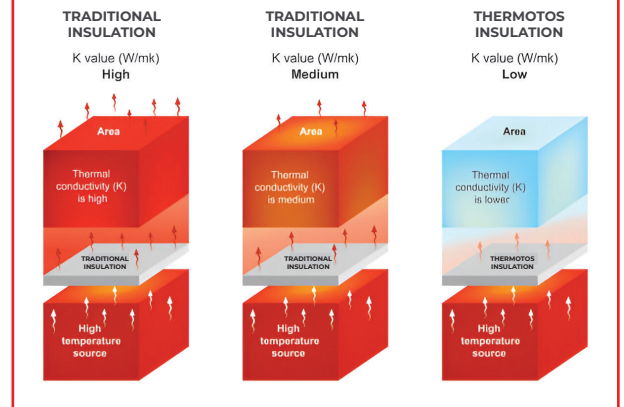
Thermotos® products come with a certified 10-year warranty, ensuring exceptional durability and longevity.



Technically Superior

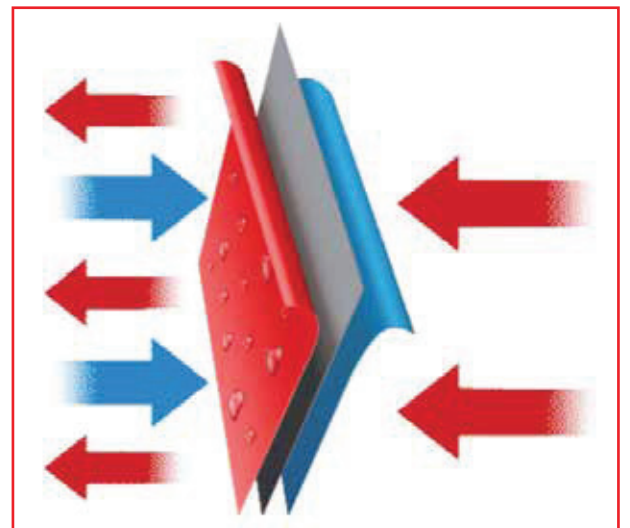
Our unique cross-linked technology results in a finer, more uniform cell structure, directly impacting thermal conductivity and vapor permeability—crucial factors for insulation performance. Both are critical factors in an insulation system.

Thermal Conductivity (K value)



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 ³ (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 ⁻² g/m ² .hr , 1.5 x 10 ⁻² grain/ft ² .hr
Water Vapor Transmission: (ASTM E96)	2.09 x 10 ⁻⁹ g/Pa.m ² .s , 3.7 x 10 ⁻² 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)

PREFORMED TUBE

Available Gray/Black color of core foam

Available in custom sizes upon request

Nominal Wall Thickness	Min ID (in)	Max ID
10 mm	06mm	273mm
12 mm	06mm	273mm
20 mm	06mm	273mm
25 mm	06mm	273mm
30 mm	20mm	273mm
40 mm	20mm	273mm
50 mm	20mm	273mm

ID Sizes up to 500mm available on request
*Other sizes available on request



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](#)

Don't have an account? 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 Sheikhupura, Pakistan

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