



*Friend's Thermopole Industry*

# Company Profile

[https:// fthermopole.com](https://fthermopole.com)



*Factory Location: 18-km, Multan Road. Lahore*

# About Company:



## Pakistan's First & Only Manufacturer of Ultra-High Density EPS: (upto 300 kg/m<sup>3</sup>)

- While the local industry typically produces EPS at 60-70 kg/m<sup>3</sup>, **Friends Thermopole Industry** stands alone in achieving an exceptional upto 300 kg/m<sup>3</sup> density—a breakthrough that delivers unmatched strength, and durability for specialized engineering and heavy-duty applications.
- Breakthrough Achieved Through **5-yrs of Dedicated R&D**. Our ultra-high density technology is the result of five years of continuous research and development, where our skilled R&D team surpassed conventional limitations to engineer a product that redefines the capabilities of EPS in Pakistan.



Density upto  $300\text{kg/m}^3$



# Pakistan's Only Manufacturer of 24 Feet long Thermopole block:

- We are the first and only company in Pakistan capable of producing, enabling seamless installation, minimal joints, and superior structural consistency for commercial, industrial, and construction applications.
- We are the first and only company in Pakistan capable of producing **24-foot long Eps blocks**, enabling seamless installation, minimal joints, and superior structural consistency for commercial, industrial, and construction applications.



# Our Products :

## EPS Thermopole Sheets

### Specifications:

**Thickness: 0.5" - 48"**

**Density: 7kg/m<sup>3</sup> - 300kg/m<sup>3</sup>**

### Sheet Sizes:

**8ft x 4ft**

**6ft x 4ft**

**4ft x 4ft**

**2ft x 3ft**

**1m x 1m**

**1m x 2m**



# Our Products :

## Thermopole - Blue Sheets

### Specifications:

**Thickness: 0.5" - 48"**

**Density: 25kg/m<sup>3</sup> - 40kg/m<sup>3</sup>**

### Sheet Sizes:

**8ft x 4ft**

**6ft x 4ft**

**4ft x 4ft**

**2ft x 3ft**

**1m x 1m**

**1m x 2m**



# Our Products :

## Thermopole - Pink Sheets

### Specifications:

**Thickness: 0.5" - 48"**

**Density: 25kg/m<sup>3</sup> - 40kg/m<sup>3</sup>**

### Sheet Sizes:

**8ft x 4ft**

**6ft x 4ft**

**4ft x 4ft**

**2ft x 3ft**

**1m x 1m**

**1m x 2m**



# Our Products :

## Thermopole Pipe insulation

### Specifications:

**Inner Diameter: 0.75'' – 80''**

**Density: 12kg/m<sup>3</sup> - 40kg/m<sup>3</sup>**

**Length: 1'meter (Standard)**

**Wall Thickness: Customized**



# Our Products :

## Thermopole Beads

### Specifications:

**Density:  $25\text{kg/m}^3$  -  $40\text{kg/m}^3$**

**Particle Size:**

**3mm - 12mm**



# Our Products :

## Molded Packaging

### Specifications:

**Density: 12kg/m<sup>3</sup>- 30kg/m<sup>3</sup>**

### Shape Style:

**Molded Boxes**

**Trays**

**blocks**

**Custom options on demand**



# Technical Datasheet and specifications

## THERMOPOLE (EPS)

### Physical Properties as per ASTM Standards

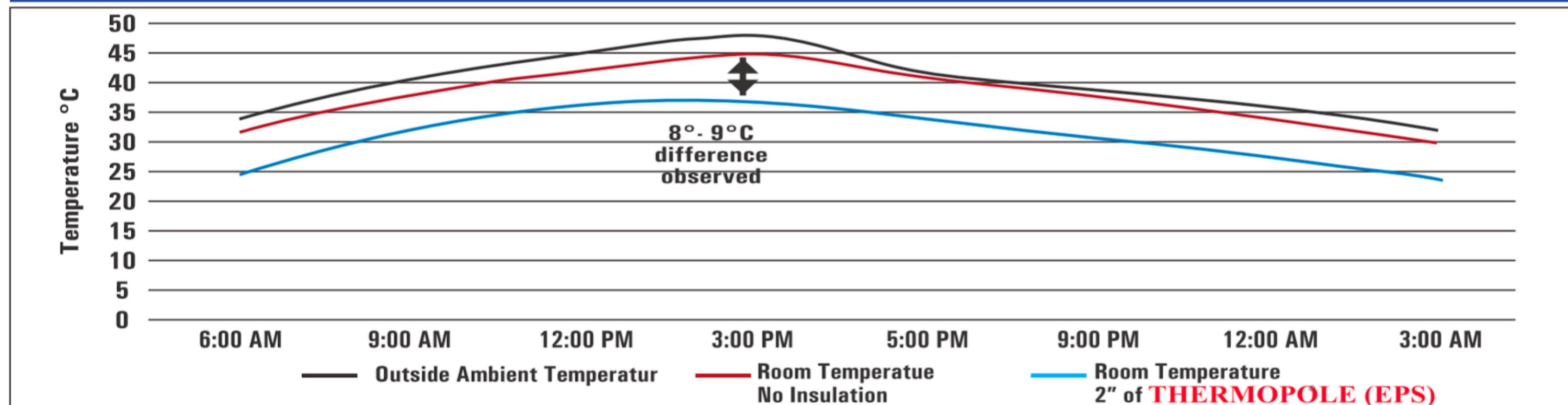
ITEM	TEST	RESULT
Cell structure	N/A	97.3% Closed Cell Foam
Density	ASTM C-303	35 kg/m <sup>3</sup>
Thermal Resistance (R-Value at 1")	ASTM C-518	5.45 F-ft <sup>2</sup> -h/Btu
Thermal Conductivity	ASTM C-518	0.030 W/(m.k)
Water Absorption	ASTM C-578	0.15% Immersion
Water Vapour Permeance	ASTM C-272	0.3mg/m <sup>2</sup>
Compressive Strength	ASTM C-165	290 kpa
Bending Strength	ASTM C-203	110 Psi
Fire Classification	UL 1256	IF FIRE GRADE Fire retardant A-Grade
Coefficient of linear thermal expansion	BS 4370: Method 13	0.07 mm/mk
Dimension & Density Quality Control	ASTM C-390	5% variation in weight
Edge Profile	N/A	Streight Edge & Ship Lap/Over Lap

# Temperature Comparison

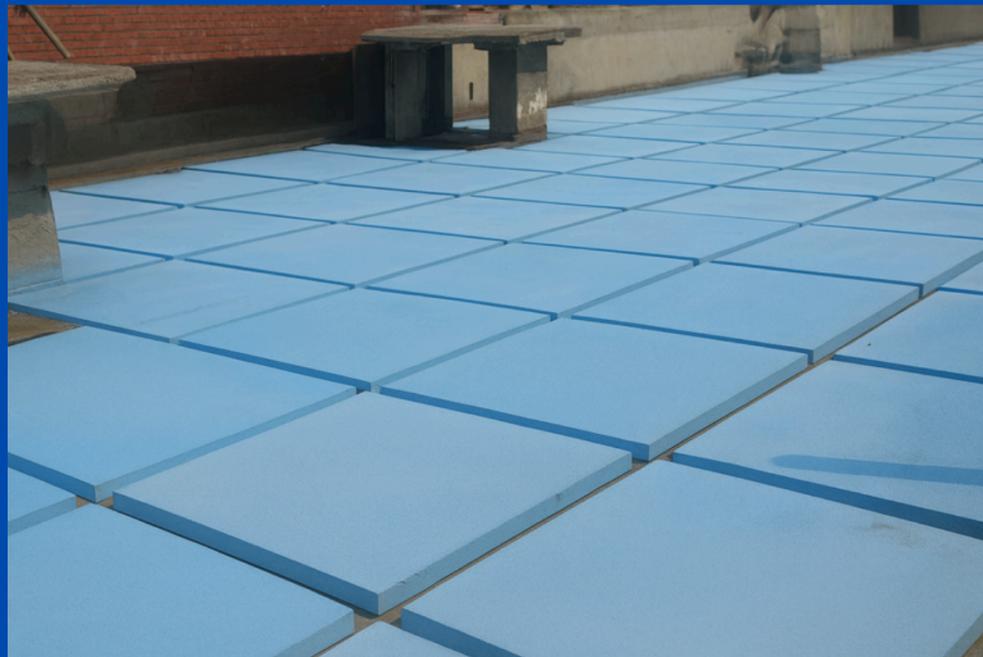
## Friend's

## **THERMOPOLE (EPS)** Technical datasheet & Temperature Comparison

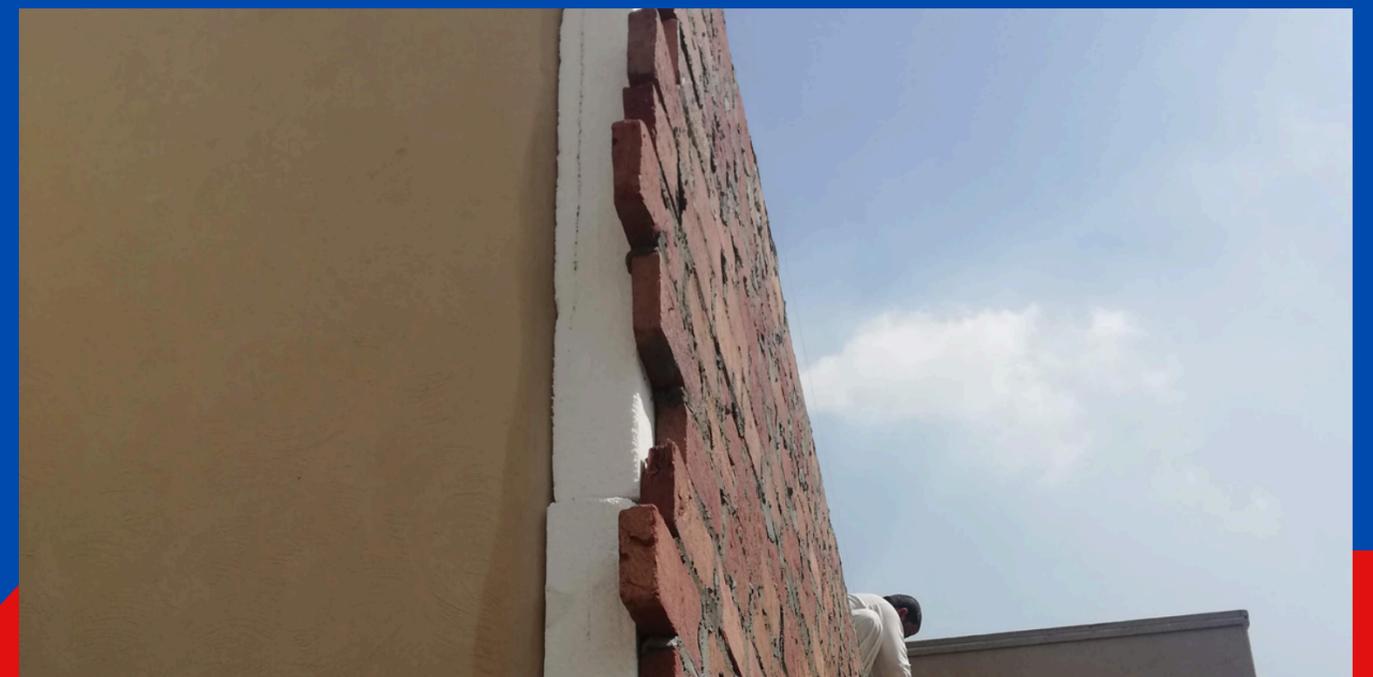
	6:00 AM	9:00 AM	12:00 PM	3:00 PM	5:00 PM	9:00 PM	12:00 AM	3:00 AM
Outside Ambient Temperature	34	41	45	48	42	39	36	36
Room Temperature- No Insulation	32	38	42	45	41	38	34	34
Ambient Room Temperature With 2" THERMOPOLE (EPS)	25	32	35	37	34	31	28	28



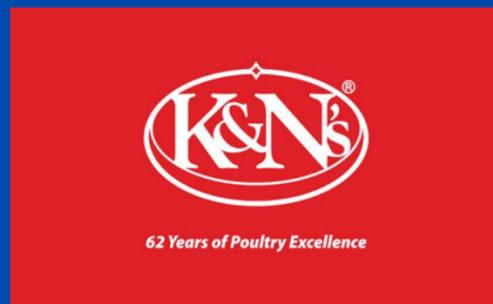
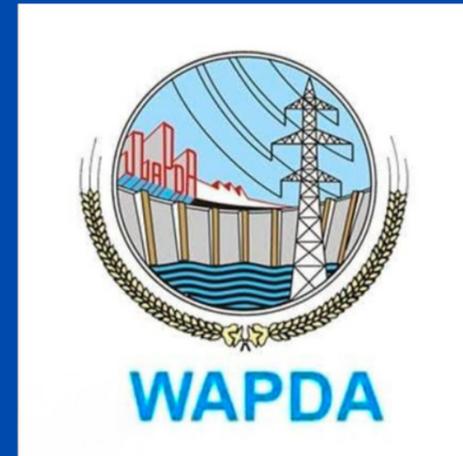
# Thermopole sheets for Roof insulation



# Thermopole sheets for Walls insulation



# Our Clients:



# Connect With Us

 E-mail us: [info@fthermopole.com](mailto:info@fthermopole.com)

 +92-320-7495021    +92 336 7943530

 +92-307-8478887

 [www.fthermopole.com](http://www.fthermopole.com)

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