

# **THERMOBREAK®**

High-performance  
Thermal & Acoustic Insulation

Thermobreak®  
**THERMALOC**



## Support. Engineered.

Thermobreak Thermaloc is the lightweight yet incredibly tough closed-cell pipe support for hot and cold piping systems. Engineered for performance and built to last, it delivers superior load-bearing capacity while preventing condensation and absorbing pipe movements. Easy installation. No cutting. No mess.

**300kg/m<sup>3</sup>**

Very high density that can withstand high loads.

**< 1%**

Almost zero water absorption.

**105°C**

Suitable for use at high temperature range.

**UV**

Excellent UV resistance, suitable for outdoor use.

## Technical Data

|                                         |                                                                                |                      |
|-----------------------------------------|--------------------------------------------------------------------------------|----------------------|
| <b>Material</b>                         | High density, cross-linked closed cell polyolefin foam                         |                      |
|                                         | <b>Metric</b>                                                                  | <b>Imperial</b>      |
| <b>Density</b>                          | 300kg/m <sup>3</sup>                                                           | 18lb/ft <sup>3</sup> |
| <b>Operating Temperature Range</b>      | -40°C to 105°C                                                                 | -40°F to 221°F       |
| <b>Water Absorption</b> (ASTM C1763)    | < 1% v/v (Procedure B, 24 hours)                                               |                      |
| <b>Compression Strength</b> (JIS K6767) | 850 kPa @ 10% deflection   970 kPa @ 25% deflection   540 kPa @ 50% deflection |                      |
| <b>VOC Emission Rate</b> (ASTM D5116)   | Low VOC                                                                        |                      |

\*Technical data may be plant specific. Please consult the Thermobreak Thermaloc Technical Data Sheet for full technical data.

## Size availability

| Wall Thickness |          | ID Size Range   |                 | Length Range  |          |
|----------------|----------|-----------------|-----------------|---------------|----------|
| Metric         | Imperial | Metric          | Imperial        | Metric        | Imperial |
| 13mm           | 1/2"     | 6.35mm to 450mm | 1/4" to 17 5/8" | 50mm to 100mm | 2" to 4" |
| 20mm           | 3/4"     | 6.35mm to 450mm | 1/4" to 17 5/8" | 50mm to 100mm | 2" to 4" |
| 25mm           | 1"       | 6.35mm to 450mm | 1/4" to 17 5/8" | 50mm to 100mm | 2" to 4" |
| 30mm           | 5/8"     | 6.35mm to 450mm | 1/4" to 17 5/8" | 50mm to 100mm | 2" to 4" |
| 40mm           | 3/4"     | 6.35mm to 450mm | 1/4" to 17 5/8" | 50mm to 100mm | 2" to 4" |
| 50mm           | 1"       | 6.35mm to 450mm | 1/4" to 17 5/8" | 50mm to 100mm | 2" to 4" |
| 63mm           | 2 1/2"   | 6.35mm to 450mm | 1/4" to 17 5/8" | 50mm to 100mm | 2" to 4" |
| 75mm           | 3"       | 6.35mm to 450mm | 1/4" to 17 5/8" | 50mm to 100mm | 2" to 4" |

\*Other sizes available upon request



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

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