



Technical insulation  
Special foam products  
FLEXALEN pre-insulated pipes

## DECLARATION OF PERFORMANCE

No. 23/1/B/2015

1. Unique identification code of the product-type:

**thermasmart PRO**  
**PEF-EN 14313-ST(+) 95-WS 01**

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

**See the label**

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

**Thermal insulation for building equipment and industrial installations**

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

**Thermaflex Izolacji Sp. z o.o., 58 – 130 Żarów, Poland**

**E-mail: [office@thermaflex.com.pl](mailto:office@thermaflex.com.pl)**

**Tel: +48.74.8589.666**

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

--

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

**System 1**

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

**1454 Institute of Mechanised Construction and Rock Mining, Poland**

performed determination of the product type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product, initial inspection of the manufacturing plant and of factory production control, continuous surveillance, assessment and evaluation of factory production control under system 1 and issued Certificate of Constancy of Performance No. 1454 – CPR - 1019.

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: **not relevant**

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification																
Reaction to fire Euroclass Characteristics	Reaction to fire: B <sub>L</sub> -s1, d0	EN 14313:2009 + A1:2013																
Acoustic absorption index	Structure-borne sound transmission: NPD Sound absorption: NPD																	
Thermal resistance	Thermal conductivity ( $\lambda$ ): <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Average Temperature °C</th> <th>10</th> <th>20</th> <th>30</th> <th>40</th> <th>50</th> <th>60</th> <th>70</th> </tr> </thead> <tbody> <tr> <td><math>\lambda</math> W/mK</td> <td>0,035</td> <td>0,036</td> <td>0,037</td> <td>0,038</td> <td>0,039</td> <td>0,04</td> <td>0,041</td> </tr> </tbody> </table> <p>Dimensions and tolerances: in accordance with the Table 1 of EN 14313:2009 + A1:2013 - Dimensional tolerances</p>		Average Temperature °C	10	20	30	40	50	60	70	$\lambda$ W/mK	0,035	0,036	0,037	0,038	0,039	0,04	0,041
Average Temperature °C	10		20	30	40	50	60	70										
$\lambda$ W/mK	0,035		0,036	0,037	0,038	0,039	0,04	0,041										
Water permeability	Water absorption: WS 01																	
Water vapour permeability	Water vapour diffusion resistance: NPD																	
Compressive strength	Compressive strength is not applicable for products made of polyethylene foam.																	
Rate of release of corrosive substances	Trace quantities of water soluble ions and pH-value: NPD																	
Release of dangerous substances to the indoor environment	Release of dangerous substances: NPD																	
Continuous glowing combustion	Continuous glowing combustion: NPD																	
Durability of reaction to fire against ageing/ degradation	Durability characteristics		They do not change with time - proven according to the point 4.2.5 EN 14313:2009 + A1:2013															
Durability of thermal resistance to fire against ageing/ degradation	Thermal conductivity Dimensions and tolerances Dimensional stability Durability characteristics Maximum service temperature: ST(+) 95 Minimum service temperature																	
Durability of reaction to fire against high temperature	Durability characteristics																	
Durability of thermal resistance to fire against high temperature	Durability characteristics Maximum service temperature – dimensional stability: ST(+) 95																	

10. Declaration

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

.....  
(name and function)

.....  
(place and date of issue)

.....  
Thermaflex Izolacji Sp. z o.o. (1)  
.....  
Dyrektor Generalny, Prokurent Sądowictw  
.....  
(signature)