

DECLARATION OF PERFORMANCE

No. 04/2/B/2013

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| 1. | Unique identification code of the product-type: | ThermaEco FRZ tube 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
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 3 |
| 7. | . In case of the declaration of performance concerning a construction product covered by a harmonised standard: | 0751 FIW MÜNCHEN, Lochhamer Schlag 4, D – 82166 Gräfelfing
1234 Efectis Nederland Lange Kleiweg 5 NL 2288 GH Rijswijk - The Netherlands
1486 Centralny ośrodek Badawczo _ Rozwojowy Przemysłu Izolacji Budowlanej Al. W. Korfanteo 193 A, 40-157 Katowice
performed determination of the product type on the basis of type testing (based on sampling carried out by the manufacturer), type calculation, tabulated values or descriptive documentation of the product under system 3 and issued testing reports. |
| 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 : | |

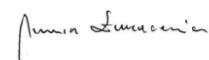
Essential characteristics	Performance	Harmonised technical specification										
Reaction to fire Euroclass Characteristics	Reaction to fire: E _i	EN 14313:2009 + A1:2013										
Acoustic absorption index	Structure-borne sound transmission: NPd Sound absorption: NPd											
Thermal resistance	Thermal conductivity (λ): <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Average temperature °C</th> <th>20</th> <th>30</th> <th>40</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>λ W/mK</td> <td>0,038</td> <td>0,039</td> <td>0,040</td> <td>0,041</td> </tr> </tbody> </table> Dimensions and tolerances: in accordance with the Table 1 of EN 14313:2009 + A1:2013 - Dimensional tolerances		Average temperature °C	20	30	40	50	λ W/mK	0,038	0,039	0,040	0,041
Average temperature °C	20		30	40	50							
λ W/mK	0,038		0,039	0,040	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											

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:



Jakub Sobieszek, Dyrektor Generalny, Prokurent



Marcin Łukaszewicz, CSO North East Europe

Żarów, dnia 16.01.2018

We are Thermaflex, Taking care of energy and the environment

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Numer KRS: 0000108041