

DECLARATION OF PERFORMANCE

Nr ENT/0922/2

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| 1. Unique identification code of the product-type: | ENTALPIA PE white/white; white/grey tubes class B |
| 2. Intended use or uses | Polyethylene foam for building equipment and industrial installations |
| 3. Producer | Entalpia Europe sp. z o. o., 64A Polskiej Organizacji Wojskowej street, 98-200 Sieradz Poland |
| 4. Authorized representative | Not relevant |
| 5. System or systems of assessment and verification of constancy of performance of construction product | System 1&3 |
| 6a. Harmonized standard, Notified certification body | <p>EN 14313:2009+A1:2013</p> <p>Notified certification body No 0751 Forschungsinstitut für Wärmeschutz e.V. carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control.</p> <p>Notified testing laboratory No 0497 CSI SpA, issued the certificate of constancy of performance for reaction to fire.</p> |

7. Declared performance:

| Declared Performance according to the mandate | Requirements of clauses in the European Standard | Levels and/or classes |
|--|--|--|
| Reaction to fire values according to the mandate | 4.2.4 Reaction to fire | BL-s1, d0 |
| Acoustic absorption index | 4.3.7 Sound transmission | NPD |
| | 4.3.8 Sound absorption | NPD |
| Opór cieplny | 4.2.1 Thermal conductivity | $\lambda_{10^\circ\text{C}} \leq 0,036 \text{ W}/(\text{m}^\circ\text{K})$ $\lambda_{40^\circ\text{C}} \leq 0,040 \text{ W}/(\text{m}^\circ\text{K})$ |
| | 4.2.2 Dimensional tolerances | See Table 1 and 2 point 4.2.2.2. of standard |
| Water permeability | 4.3.4 Water absorption | WS005 |
| Water vapour permeability | 4.3.5 Water vapour diffusion resistance | NPD |



| Declared Performance according to the mandate | Requirements of clauses in the European Standard | Levels and/or classes |
|--|--|----------------------------|
| Compressive strength | b | b |
| Rate of release of corrosive substances | 4.3.6. Trace quantities of water-soluble chloride ions and the pH-values 4.3.9. Release of dangerous substances | Cl<500ppm, pH = 7 NPD |
| Continous glowing combustion | 4.3.10 Continous glowing combustion | NPD |
| Durability of the thermal resistance against ageing/degradation reaction to fire | 4.2.5 Durability characteristics | c |
| Durability of thermal resistance against ageing/degradation thermal resistance | 4.2.1 Durability characteristics | d |
| | 4.2.2. Dimensional tolerances | NPD |
| | 4.2.3. Dimensional stability | NPD |
| | 4.2.5. Durability characteristics | d |
| | 4.3.2. Maximum service temperature 4.3.3. Minimum service temperature | ST (+) 100°C ST (-) 0°C |
| Durability of reaction to fire against ageing/degradation | 4.2.5. Durability characteristics | c |
| Durability of reaction to fire against high temperature | 4.2.5. Durability characteristics | d |
| | 4.3.2. Dimensional stability at maximum service temperature | ST (+) 100°C |

Comments:

NPD: No performance determined

a: Tests methods are under development

b: Not applicable for polyethylene foam products

c: The fire performance of polyethylene foam products does not change with time

d: The thermal conductivity of polyethylene foam products does not change with time

8. Appropriate Technical Documentation or Specific Technical Documentation:

The performance of the product specified above is in conformity with the declared performance in point 7. This declaration on performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed on behalf of the manufacturer:

 Name and function: **Przemysław Matusiak – Member of the Board**

Podpis:



Sieradz, dnia: 05.09.2023 r.