

DECLARATION OF PERFORMANCE

Nr ENT/0922/2

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	EN 14313:2009+A1:2013 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, assesment and evaluation of factory production control. Notified testing laboratory No 0497 CSI SpA, issued the certificate of constancy of performance for reaction to fire.

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 strenght	b	b
Rate of release of corrosive substances	4.3.6. Trace quantities of water-soluble chloride ions and the pH-values	Cl ⁻ <500ppm, pH = 7
	4.3.9. Release of dangerous substances	NPD
Continous glowing combustion	4.3.10 Continous glowing combustion	NPD
Durability of the thermal resistance against agening/degradation reaction to fire	4.2.5 Durability characteristics	c
Durability of thermal resistance against agening/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	ST (+) 100°C
	4.3.3. Minimum service temperature	ST (-) 0°C
Durability of reaction to fire against agening/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 Docemtnation 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.