



**National Declaration of Performance
No. ENT/0722/2**

1. Name and trade name of the construction product: **Air-conditioning and cooling copper tubes / Entalpia Split (ENTALPIA PE) in the following diameters and wall thicknesses:**

Dimension	Diameter [mm]	Wall thickness [mm]
1/4"	6,35	0,7 – 0,8
3/8"	9,52	0,7 – 0,8
1/2"	12,70	0,7 – 0,8
5/8"	15,88	1,0
3/4"	19,05	1,0
7/8"	22,22	1,0

2. Designation of the construction product type: **R220/CuDHP/coil**
3. Intended use or uses of the construction product: **Piping system in air-conditioning and refrigeration, Systems with non-aqueous cooling media, Installations for supplying cooling media to heat exchangers and convectors, Tubes for solar installations, Tubes for the production of air conditioning and refrigeration equipment.**
4. Name and address of the manufacturer's registered office and the place of production of the product:
**Manufacturer: Entalpia Europe Sp. z o. o.; Polskiej Organizacji Wojskowej 64A street; 98-200 Sieradz;
NIP: 8272310279; E-mail: info@entalpiaeurope.eu; www.entalpiaeurope.eu**
5. Name and contact address of the authorised representative, if established: **Not applicable**
6. National system of assessment and verification of constancy of performance of the construction product:
System 3
7. National technical specification:

7a. Polish product standard: **PN-EN 12735-1:2020-08 „Copper and copper alloys – Seamless, round tubes for air conditioning and refrigeration – Part 1: Tubes for piping systems”**

Name of the accredited certification body, accreditation number and national certificate number or name of accredited laboratory / laboratories and accreditation number: **Mining Technology Institute KOMAG - Materials and Environmental Engineering Laboratory, 37 Pszczyńska street, 41-101 Gliwice, PCA Accreditation No.: AB 910.** The scope of the research carried out can be found in the report No. 355/DLS/2022.

CEIS Centro de Ensayos, Innovación y Servicios, Cr. Villaviciosa de Odón a Móstoles (M-856) Km. 1,5 Móstoles – 28935 Madrid, nr akredytacji ENAC 1/LE149. The scope of the research carried out can be found in the report No. MAM-0009/23-1.



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7b. National technical assessment: **Not applicable**

Technical Assessment Body / National Technical Assessment Body: **Not applicable**

Name of the accredited certification body, accreditation number and certificate number: **Not applicable**

8. Declared performance:

The essential characteristics of the construction product for the intended use or uses	Declared performance	Comments
Reaction to fire	Class A.1	PN-EN 12735-1
Crushing strength (results from the wall thickness and mechanical properties)	Pass	
Internal pressure (results from the wall thickness and mechanical properties)	Pass	
Dimensional tolerances	Pass	
Resistance to high temperature (for heating networks)	up to 250 °C	
Weldability (for gas network)	Pass	
Tightness – gas and liquid (hydrostatic pressure)	Pass	
Durability of crushing strength, internal pressure and tightness (surface quality)	Pass	

9. The performance of the product identified above is in conformity with all the declared performance properties listed in point This national declaration of performance is issued in accordance with the Regulation of the Minister of Infrastructure and Construction of November 17, 2016, on the method of declaring the performance of construction products and the method of marking them with a construction mark, under the sole responsibility of the manufacturer identified above.

Signed on behalf of the manufacturer by:
Sieradz, 08 March 2023

Member of the Board

Przemysław Matusiak