HALCOR
HELLENIC COPPER INDUSTRY

DECLARATION OF PERFORMANCE

CONSTRUCTIONS PRODUCT REGULATION (CPR) (EU) No 305/2011
No 001 CPR 09.2018 rev 3

Unique identification code of the product type: Seamless, round copper tubes for water and gas in sanitary and heating applications with an outside diameter of between 6 and 108 mm.

Intended use/es:

- Distribution systems for hot and cold water
- Hot water heating systems, including heating panels (under-floor, walls or ceiling)
- Distribution of domestic gas, fuels, oil and other liquids
- Drainage and disposal of other liquid and gaseous waste
- Fire suppression and extinction systems
- Pressure and vacuum systems
- Storage fixtures

Manufacturer: HALCOR,(Copper Tubes Division of ELVALHALCOR S.A.) 62th Km National Road Athens-Lamia, GR 32011, Inofyta Viotia, GREECE

System/s of AVCP: System 3

Harmonized standard: EN 1057:2006 + A1:2010
The Notified Body Centre Scientifique et Technique du Bâtiment (CSTB) with Notified Body Number 0679, assessed the performance on the basis of testing (based on sampling carried out by the manufacturer), calculation and descriptive documentation of the construction product and issued test/calculation report No CA 08-035.

Declared Performance/s

Essential characteristics	Performance	Remarks	Harmonised technical specification
Reaction to fire	Class A1	Commission Decision 2000/605/EC	EN 1057:2006 + A1:2010
Crushing strength	NPD	Derived from wall thickness and mechanical properties	
Internal pressure	NPD	Derived from wall thickness and mechanical properties	
Dimensional Tolerances	Pass	All tubes must meet the specified dimensional properties	
Resistance to high temperatures	Suitable for use up to 120°C	Temperatures found in heating system pipes have non significant influence on the mechanical properties of copper. Copper tubes can also be used for higher temperatures. National regulations must be observed when used at higher temperatures.	
Weldability (for gas network)	Pass	The suitability for welding is characteristic of the copper grade used for products and ensured through the control of the material composition	
Tightness (gas and liquid)	Pass	All tubes must be subjected to leak -tightness testing.	
Durability of crushing strength, internal pressure and tightness	Pass	All tubes must meet the requirements regarding surface condition.	

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Compliance with the Pressure Equipment Directive 2014/68/EU

Essential characteristic	Remarks	Harmonised technical specification
Material properties	Material properties must be in accordance with the required mechanical properties. Copper is not susceptible to brittle fracture due to its face-centered cubic crystal structure.	EN 1057:2006 + A1:2010
Conformity of material and manufacturer's certified documentation	On request, compliance of the product is confirmed by a certificate of the manufacturer according to EN 10204 Annex ZA.	

General Comments

- The CE marking ensures the free trade of goods within Europe. It does not replace existing national regulations for special applications (eg water, gas, plumbing, heating installations etc.).
- The copper tube remains appropriate for drinking water applications. The national regulations for drinking water remain applicable and must be followed
- This product does not contain SVHC (substances of very high concern) in concentrations above 0,1 % (w/w) as detailed in (EC) No 1907/2006 (REACH) Regulation.

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.
Signed for and on behalf of the manufacturer by:

Inofita, Viotia, Greece
01/09/2018

Dr Dionysios Skarmoutsos
Quality Assurance Director