

<p style="text-align: center;">CONSTRUCTIONS PRODUCT REGULATION (CPR) (EU) No 305/2011 DECLARATION OF PERFORMANCE No 001 CPR 06.2013</p>

1. Unique identification code of the product type:

Seamless, round copper tubes for water and gas in sanitary and heating applications

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

TALOS[®] tubes

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Drainage and disposal of other liquids and gaseous waste

Supply of fuels, oil and other liquids (Hot water heating systems, including under-floor heating systems are included)

Fire suppression and extinguishing systems

Supply of gases, pressure and vacuum systems

Storage fixtures

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

HALCOR S.A., 57th Km National Road Athens-Lamia, GR 32011, Inofyta Viotia, GREECE

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

N/A

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 harmonized standard:

EN 1057:2006 + A1:2010

The Notified Body Centre Scientifique et Technique du Bâtiment (CSTB) with Notified Body Number 0679, performed determination of the product type on the basis of type testing, type calculations and descriptive documentation of the product under system 3 and issued test/calculation report N° CA 08-035.

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant (see 7)

9. Declared Performance

Essential characteristics	Performance	Remarks	Harmonised technical specification
Reaction to fire	Class A1	Commission Decision 96/603/EC amending 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.	

Compliance with the Pressure Equipment Directive 97/23/CEE

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.

10. 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:

Inofyta, Viotia, Greece
27/06/2013


Dr Dionysios Skarmoutsos
Quality Assurance Director