



CE DECLARATION OF CONFORMITY

The manufacturer,

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

Declare that the seamless, round copper tubes for water and gas in sanitary and heating applications with an outside diameter of between 6 and 159mm, for:

- Distributing networks for hot and cold water
- Hot water heating systems, including panels heating systems (under-floor, wall, overhead)
- Domestic gas and liquid fuels distribution
- Drainage and disposal of other liquid and gaseous waste
- Fire suppression and extinction systems
- Pressure and vacuum systems

comply with the requirements of the following EC Directives, when installed according to national regulations

89/106/CE	EU Construction Products Directives
97/23/CE	EU Pressure Equipment Directive

and comply with the requirements of these directives is demonstrated through conformity with the following standard:

EN 1057: 2006	Seamless, round copper tubes for water and gas in sanitary and heating applications
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Notified body: Identification No DPC 679

CSTB

84, avenue Jean Jaurès
Champs sur Marne
77447 Marne la Vallée CEDEX 2
Test report No: CA 08-035


Dr. D. Skarmoutsos

Quality Manager Halcor SA
October 3, 2011

BASIS FOR THE CE MARKING

EN 1057: 2006 Annex ZA

Compliance with the Construction Products Directive 89/106/CE

Essential characteristic	Result	Remarks
Reaction to fire	Class A1	Decision of the Commission 96/603/EC, amended 2000/605/EC.
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 tolerances.
Resistance to high temperature	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.

Note: NPD: No Performance Determined according to EN 1057 ZA.3

EN 1057: 2006 Annex ZB

Compliance with the Pressure Equipment Directive 97/23/CE

Essential characteristic	Remarks
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.
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 movement of goods within Europe. It does not replace existing national regulations for special applications (e.g. water, gas, sanitary and heating installations, etc.).
- The copper tube is suitable for drinking water applications. The national regulations for drinking water applications remain applicable and must be followed.