



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 6 x 0,6 mm and 159 x 2,0 mm, for :

- ◆ Distributing networks for hot water and cold water
- ◆ Hot water heating systems including panel heating systems (under-floor, wall, overhead)
- ◆ Domestic gas and liquid fuel distribution
- ◆ Drainage, and disposal of other liquids 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 notional regulations

89/106/CEE 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

Notified body: Identification No. DPC 0679

CSTB

84, avenue Jean Jaurès
Champs sur Marne
F-77447 Marne la Vallée CEDEX 2

Tests Report No. : CA 08-035

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BASIS FOR THE CE MARKING

EN 1057: 2006 Annex ZA

Compliance with the Construction Products Directive 89/106/CEE

Essential caractéristic	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 tolérances	Pass	All tubes must meet the specified dimensional tolerances.
Résistance 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/CEE

Essential caractéristic	Remarks
Material properties	Material properties must be meet in accordance with the required mechanical properties. Copper is not susceptible to brittle fracture due to its face-centred 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 REMARKS

- ◆ 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 heatig installations, etc.)
- ◆ The copper tube is suitable for drinking water applications. The national regulations for drinking water applications remain applicable and must be followed.