



KME Germany AG&CO KG ; Tube Systems
Klosterstrasse 29; D-49074 Osnabrück; Germany
2011

EN 1057

Seamless, round copper tubes for water and gas in sanitary and heating applications intended to be used in:

- Drainage, and disposal of other liquids and gaseous waste;
- Supply of fuels, oil and other liquids (including hot water heating systems);
- Fire suppression and extinguishing systems;
- Supply of gases, pressure and vacuum systems;
- Storage fixtures.

Product designation: Copper tube

7011227

SANCO (R) EN 15 X 1 - 50 M COIL ANNEALED GENERIC

Reaction to fire:	Class A.1
Crushing strength:	NPD
Internal pressure:	NPD
Dimensional tolerances:	pass
Resistance to high temperature:	Suitable for use up to 120 °C
Weldability:	pass
Tightness: gas and liquid:	pass
Durability of crushing strength, internal pressure and tightness:	pass

NPD: No Performance Determined



EC DECLARATION OF CONFORMITY

The undersigned, representing the following

KME Germany AG&CO KG ; Tube Systems
Klosterstrasse 29; D-49074 Osnabrück; Germany

herewith declare that seamless round copper tubes having an outside diameter between 6mm and 267mm, suitable for use in

- ◆ distributing networks for hot and cold water
- ◆ hot water heating systems, including panel heating systems, (under-floor, wall, overhead)
- ◆ domestic gas and liquid fuel distribution, also other liquids
- ◆ waste water sanitation and other waste liquids and waste gas
- ◆ fire fighting systems
- ◆ pressure and vacuum systems

are in conformity with the provisions of the following EC Directives when installed in accordance with national regulations

89/106/EEC EU-Construction Products Directive (CPD)

97/23/EC EU Pressure Equipment Directive (PED)

and meet the requirements of the following harmonised standards

EN 1057: 2006 Copper and copper alloys – seamless round copper tubes
for water and gas in sanitary and heating applications

Details of notified Certification body: Nr.:

CPD 0780

LGA Bautechnik GmbH
Tillystraße 2
D-90431 Nürnberg; Deutschland

Certificate number : **BBKM07 00219-01**

Hansen

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Hansen
Leiter Qualitätsmanagement Tube Systems
02.01.2011

BASIS FOR CE DECLARATION

EN 1057: 2006 Annex ZA

Conformance with EU Construction Products Directive 89/106/EEC

Essential Characteristics	Result	Comment
Reaction to fire	Class A1	Commission decision 96/603/EC as amended 2000/605/EC
Crushing Strength	NPD	Derives from wall thickness and mechanical properties
Internal pressure	NPD	Derives from wall thickness and mechanical properties
Dimensional tolerances	Pass	All tubes required to meet dimensional tolerances
Resistance to high temperature (for heating networks)	Suitable for use up to 120°C	Properties of copper do not reduce significantly at temperatures used in heating networks (i.e. up to 120°C). Copper can be used at higher temperatures with appropriate allowances made for strength reduction.
Weldability for gas networks	Pass	Suitability for welding is a characteristic of the copper grade used and assured by control of material composition.
Tightness (gas and liquid)	Pass	All tubes subjected to a freedom from defect test.
Durability of crushing strength, internal pressure and tightness	Pass	Tubes required to meet surface quality requirements

EN 1057: 2006 Annex ZB

Conformance with EU Pressure Equipment Directive 97/23/EEC

Essential Characteristics	Comment
Material Properties – brittle fracture prevention	Copper, having a face centred cubic structure, does not suffer from brittle fracture
Conformity of Material and certified documentation	Certification is required to be provided when requested

GENERAL COMMENTS

- ♦ The CE mark is a passport for free trade across Europe. It does not replace existing national regulations for specific application (e.g. water, gas, sanitary and heating, etc.)
- ♦ Copper tube remains suitable for drinking water applications under national regulations