



DECLARATION OF PERFORMANCE

The undersigned, representing the following

Yorkshire Copper Tube

of East Lancashire Road, Kirkby, Merseyside L33 7TU, United Kingdom,

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 EU Regulation and EC Directive when installed in accordance with national regulations

EU 305/2011 EU-Construction Products Regulation (CPR)

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

and meet the requirements of the following harmonised standards

EN 1057:2006+A1:2010 “Copper and copper alloys – seamless round copper
System 3 Annex ZA tubes for water and gas in sanitary and heating
applications”

Notified Certification Body 0086

BSI - British Standards Institution

389 Chiswick High Road, London W4 4AL, United Kingdom

performed the determination of the product-type on the basis of type testing (based on sampling carried out by the manufacturer) of the product under system 3 and issued as:

Certificate Number: **0086-CPD-550387**

BASIS FOR CE DECLARATION

EN 1057:2006+A1:2010 Annex ZA

Conformance with EU Construction Products Regulation **EU No.305/2011**

Essential characteristics	Performance	Harmonised technical specification	Comment
Reaction to fire	Class A1.	EN 1057: 2006+A1: 2010: 6.1 EN 13501-1 Decision 96/603/EC; changed 2000/605/EG	According to the Decision 96/603/EC, Class A materials do not require to be tested for reaction to fire.
Crushing strength	NPD*	EN 1057: 2006+A1: 2010; 7.2	Derives from wall thickness and mechanical properties
Internal pressure	NPD*	EN 1057: 2006+A1: 2010: 10.9	Derives from wall thickness and mechanical properties
Dimensional tolerances	pass	EN 1057: 2006+A1: 2010: 7.3	All tubes required to meet dimensional tolerances
Resistance to high temperature (for heating networks)	Suitable for use up to 120 °C	EN 1057: 2006+A1: 2010; 6.2 For applications at Temperatures up to 250 °C the required wall thickness of the tube shall be calculated in accordance with the valid design stress.	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	pass	EN 1057: 2006+A1: 2010; 6.3	Suitability for welding is a characteristic of the copper grade used and assured by control of material composition.
Tightness: gas and liquid	pass	EN 1057: 2006+A1: 2010: 10.9	All tubes subjected to a freedom from defect test.
Durability of crushing strength, internal pressure and tightness	pass	EN 1057: 2006+A1: 2010: 10.1;10.9	Tubes required to meet surface quality requirements

*Note: NPD = "No performance determined" acc. to EN 1057 ZA.3

and

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	If Certification according EN 10204 Annex ZA is required this will be provided when requested

The conformance of the product to the requirements indicated confirms suitability for use in the applications listed above.

This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:



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J M Alston
Technical and Quality Manager
26 June 2013

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.