



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:

.....
 J M Alston
 Technical and Quality Manager
 01 February 2018

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.