

# Declaration of Performance (DOP)



**Manufacturer:** buntmetall amstetten GmbH, Fabrikstraße 4, 3300 Amstetten (A)  
**Production location:** Fabrikstraße 4, 3300 Amstetten (A)  
**Unique identification code of the product-type:** Seamless, round copper tubes for water and gas in sanitary and heating applications with an outside diameter of 6 – 159 mm.  
**Type under Article 11(4) of the CPR:** SUPERSAN ® - tubes.  
For a detailed description refer to [www.supersan.at](http://www.supersan.at) or [www.kupfer.de](http://www.kupfer.de)  
**Intended uses of the construction product, in accordance with the applicable harmonized standard, as foreseen by the manufacturer:** 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, also other liquids  
Waste water sanitation and other waste liquids and waste gas  
Fire fighting systems  
Pressure and vacuum systems

**Declaration of Performance in conformity with the provisions of the following EU Regulation and EC Directive when installed in accordance with national regulations:**

<b>EU 305/2011</b>	EU Construction Products Regulation (CPR)
<b>97/23/EC</b>	EU Pressure Equipment Directive (PED)

**Compliance with the requirements of the following harmonised standard:**

<b>EN 1057:2006 + A1:2010</b>	„Copper and copper alloys – seamless round copper tubes for water and gas in sanitary and heating applications
<b>System 3</b> Annex ZA	

**The initial inspection of the products according to EU Construction Products Regulation was carried out by the notified body:**

LGA Bautechnik GmbH - Identification No. CPD 0780

**Name and address:**

LGA Bautechnik GmbH

Tillystraße 2, D-90431 Nürnberg, Germany

The inspection of the products according to 97/23/EC is carried out by the inspection authority TÜV SÜD Industrie Service GmbH – Identification No. 0036

**Name, address and Test Report**

TÜV SÜD Industrie Service GmbH

Westendstrasse 199, D-80686 München

**First affixing of the CE-marking: 2008**

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Ing. MBA Anton Ziemut - Management

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Ing. Siegfried Pirschl, Quality Management

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## Declared performance according:

### EN 1057:2006 + A1:2010 – Annex ZA – Construction Product

Essential characteristics	Performance	Remarks
Reaction to fire:	Class A.1	Decision of the Commission 96/603/EC, amended 2000/605/EC. Materials for Class A acc. 96/603/EC do not require to be tested for reaction to fire.
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 the specified dimensional tolerances.
Resistance to high temperature:	suitable for use up to 120 °C	Temperatures found in heating system pipes have no significant influence on the mechanical properties of copper. For example, it is not necessary to adjust the admissible maximal tension for pressure calculations when the room temperature is increased to 120 °C. 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.
Weldability:	pass	The suitability for welding is characteristic of the copper grade used for products according to EN 1057:2006 and assured by control of the 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 the surface quality requirements.

\*Note: NPD - "No performance determined" acc. to EN 1057 / ZA.3

### EN 1057:2006 + A1:2010 – Annex ZB - Pressure Equipment Directive 97/23/EC

Essential characteristic	Remarks
Material properties – brittle fracture prevention	Material properties must be met in accordance with the required mechanical properties. Copper, having a face-centred cubic crystal structure, does not suffer from brittle fracture.
Conformity of Material and certified documentation	If Certification according to EN 10204 Annex ZA is required, this will be provided when requested.

## General comments:

- The performance of the product identified above is conform with the declared performance.
- This declaration of performance is issued under the sole responsibility of the manufacturer.
- The CE mark is a passport for free trade across Europe. It does not replace existing national regulations for special applications (e.g. drinking water, gas, sanitary, heating installations, etc.).
- Copper tubes are suitable for drinking water applications under national regulations.

This declaration is no guarantee of properties in terms of product liability. The safety information of the product documentation must be observed.