Wieland

EC Declaration of Conformity

by the Manufacturer for System 3

Manufacturer:	Wieland-Werke AG
Address:	Graf-Arco-Straße 36, 89079 Ulm, Germany
Production location:	Wielandstraße 26, 89269 Vöhringen, Germany
Product description:	Seamless, round copper tubes for water and gas in sanitary and heating applications with an outside diameter of 6 – 159 mm. For a detailed description refer to www.wieland-haustechnik.de
Applications:	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

Declaration of compliance with the specifications of the following European directives:

89/106/EEC	EU Construction Products Directive
97/23/EC	EU Pressure Equipment Directive

Compliance with the requirements of these directives is demonstrated through conformity with the following standard:

EN 1057:2006 + A1:2010	Annexes ZA and ZB

The initial inspection of the products was carried out by the notified body:

Materials testing institute MPA NRW - Identification No. CPD 0432

Name and address:

Materialprüfungsamt Nordrhein-Westfalen
Marsbruchstraße 186, 44287 Dortmund, Germany

First affixing of the CE marking according to the directive 93/68/EC:

2008

Kreil – Head of Quality Management

ppa.

Dr. Brox – Head of Division

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

Basis for the CE marking: EN 1057:2006 + A1:2010 – Annexes ZA and ZB

Annex ZA: Compliance with the Construction Products Directive 89/106/EEC

Essential characteristic	Result	Remarks
Reaction to fire:	Class A.1	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 tolerances:	pass	All tubes must 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 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" acc. to EN 1057 / ZA.3

Annex ZB: Compliance with the Pressure Equipment Directive 97/23/EC

Essential characteristic	Remarks
Material properties:	Material properties must be met in accordance with the required mechanical properties. Copper is not susceptible to brittle fracture due to its face-centred cubic crystal structure.
Compressive strength:	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, heating installations, etc.)
- The CE marking does not refer to drinking water applications. The national regulations for drinking water applications remain applicable and must be followed.

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