

Essen, 28/05/2026

Declaration of Conformity

SANHA[®]-End feed fittings series 4000 for aqueous liquids and sanitary applications

1. Name and trade name of a building product

SANHA capillary solder fittings for solder connection (series 4000)

2. Typical marking of the building product:

Series 4000

3. Intended use / Can be used for:

The fittings are used to connect the copper pipes used in the water systems aqueous liquids hot and cold and in water heating systems

4. Name, registered address of the manufacturer and place of production:

Manufacturer: Sanha GmbH, Im Teelbruch 80 D,-45219 Essen

Production Plant: Sanha Polska Sp. z.o.o., ul. Poznanska 49; PL-59-220 Legnica

5. Name and registered address of an authorised representative, if specified: n / a

Nicolae Voicu, 6th Feleacu Street, BL.10i, SC.2, AP.22, RO- 014185 Bucharest

6. The Polish system called for the assessment and verification of performance consistency: 4.

7. National technique specifications:

7a. Polish product standard:

PN-EN 1254-1 Polish standard copper and copper alloys - system connections. Part 1: Fittings with ends for capillary soldering or capillary brazing to copper tubes.

PN-EN 1254-4 Polish Standard Copper and Copper Alloys - System Connections. Part 4:

Fittings combining other end connections with capillary or compression ends.

PN-EN 1254-5 Polish standard alloy and copper alloys - system connectors. Part 5:

Fittings with short ends for capillary brazing to copper tubes.

Name of the accredited certification body, the accreditation number and the reference number of the national certificate or the name of the accredited laboratory /laboratory and the number of accreditation: n / a

7b. National technical review: n / a

Technical Assessment Body / Polish Technical Assessment Body: n / a

The name of the accredited certification body, the accreditation number and the reference number of the national certificate: n / a

8. Declared performance:

- Material: CuSn5Zn5Pb2-C copper alloy (CC499-K) acc. to PN-EN 1982, amended as specified in the UBA List
- Produced acc. to NBN-EN 1254-1, NBN-EN 1254-4
- For connecting pipes acc. to PN-EN 1057 + A1 and PN EN 13349 preinsulated copper tubes with solid covering
- Threads acc. to PN-EN 10226-1 und PN-EN ISO 228-1
- Connection - soldering or soldering capillaries (series 5000) or soldering / soldering connections Thread (4000)

Specification	Declared performance	Comments
Dimension	10 up to 108 mm and ¼ up to 4 inch	---
Maximum operating pressure	See table 1	---

Table 1. Maximum working temperatures and pressings for soldering and brazing according to PN EN 1254 – 1

Type of connection	Example of soldering/brazing ¹⁾		Operating Temperature (°C)	Maximum working pressure for nominal diameters (bar) ¹⁾²⁾		
				From 10 mm up to 34 mm (incl.)	Over 34 mm up to 54 mm (incl.)	Over 54 mm up to 108 mm (incl.)
Soft soldering	I	Lead/tin 50/50% or 60/40%	30	16	16	10
			65	10	10	6
			110	6	6	4
	II	Tin/silver 95/5%	30	25	25	16
			65	25	16	16
	III	Tin/copper, Cu max.3% min. 0.4% other Sn	110	16	10	10
Brazing	IV	Silver/copper without cadmium from 55% at 40% Ag	30	25	25	16
	V	Silver with cadmium, 30 to 40% Ag	65	25	16	16
	VI	Copper / phosphos 94/6% or Copper / phosphorus by 2% silver 90/6/2%	110	16	10	10
1) In the case of applications at temperatures other than those shown in the table, it is recommended to obtain the approval of intermediate pressures must be used by interpolation. 2) Intermediate pressures must be obtained by interpolation NOTE - In water systems intended for human consumption it is not permitted to apply alloys containing lead or cadmium						

8. The performance of the product described above is in line with all performances referred to in point 8. The national declaration of performance presented issued in accordance with the Polish Law on Construction Products of April the 16th 2004, under the sole responsibility of the Manufacturer

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