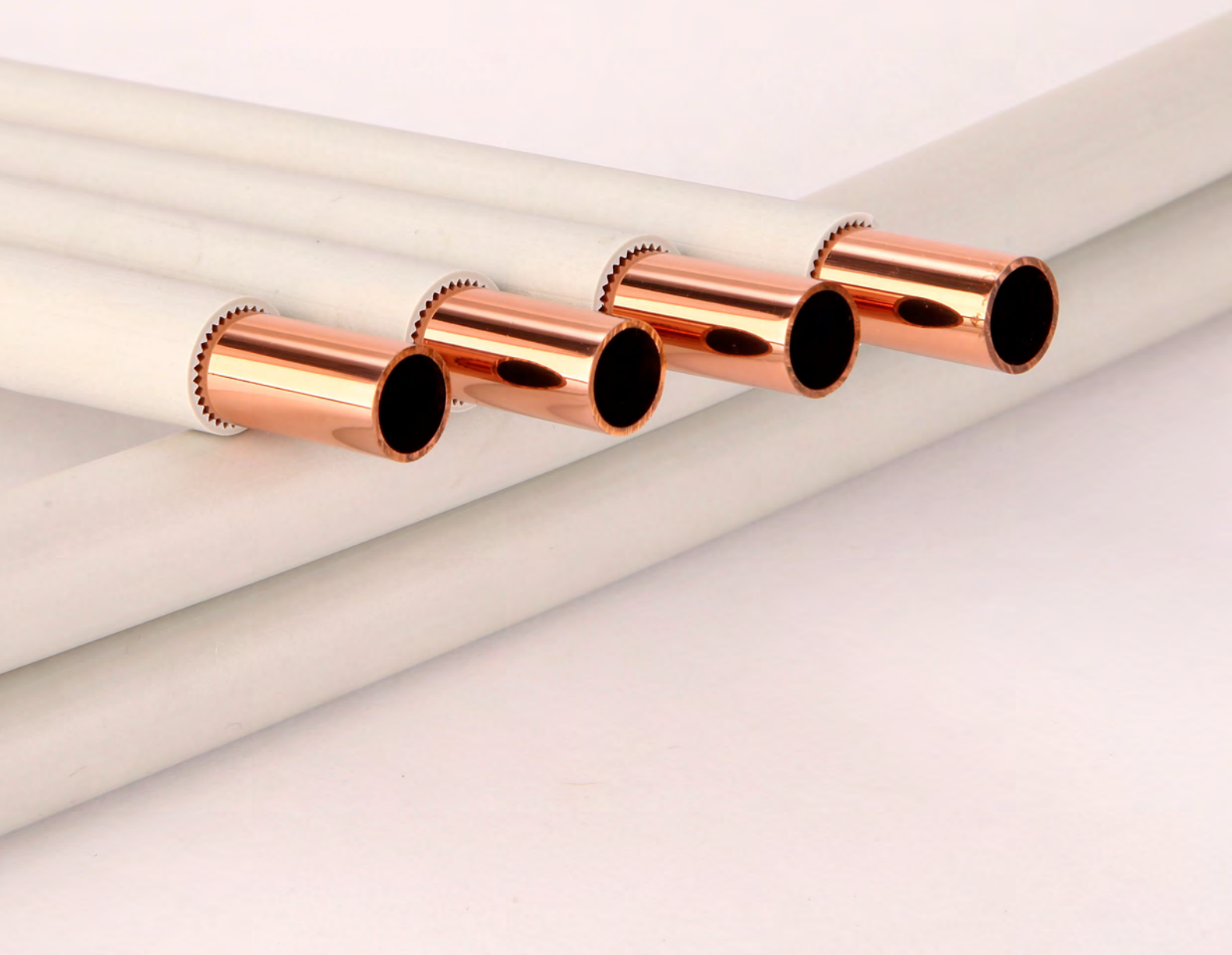




SMISOL[®] Plus

TRIED
AND TESTED



FIELDS OF APPLICATION:

- Distribution of drinking water.
- Distribution of liquid and gaseous fuels.

In compliance with and within the limits set by the applicable regulations.

SMISOL® Plus is a copper tube manufactured according to the EN 1057 standard, coated during production with a special star-section sleeve of polyvinyl chloride (PVC). The product complies with Directive (EU) 2020/2184 on the quality of water intended for human consumption, paying particular attention to the suitability of materials in contact with drinking water. The original in-line coating process makes it possible to achieve superior malleability compared to similar products on the market, placing it at the top of its category. It has proven bacteriostatic properties, which make it a material particularly suitable for plumbing/sanitary networks, in order to help limit bacterial proliferation, including Legionella. Its absolute impermeability to gases also allows it to be used for the transport of liquid and gaseous fuels.

Furthermore, to protect the end consumer, in compliance with EU Regulation 305/2011 for construction products (CPR), the EN 1057-compliant copper tubes produced by SCT are marked with the CE mark.

COATING CHARACTERISTICS

- Coating in special stabilised PVC resin.
- Star section.
- Min. coating thickness: 1.5 mm (continuously monitored by laser gauge).
- Sleeve made from first-quality virgin granulate.
- Excellent resistance to external chemical agents.
- Ink marking every metre

EXTERNAL PROTECTION

Coating in stabilised polyvinyl resin, tested and guaranteed. Other specific advantages are provided by:

- Reduction or elimination of unsightly and unhygienic damp stains on walls.
- The star section of SMISOL® Plus allows the absorption of small thermal expansions (coefficient of linear thermal expansion = 0.00168 mm/m°C).
- Protection against damage caused by impacts during transport and installation on site.

INTERNAL PROTECTION

During production, it undergoes a patented treatment of passivation and stabilisation of the internal wall, which makes it absolutely reliable, in compliance with the potability parameters set by European regulations on transported drinking water (European Directive 2020/2184/EU). The SMISOL® Plus copper tube has a carbon residue $C < 0.06 \text{ mg/dm}^2$, much lower than that required by the UNI EN 1057 standard, which sets a carbon content of $C \leq 0.20 \text{ mg/dm}^2$.

TABLE: STANDARD PRODUCTION SIZES - COILED TUBES

Size OD x WT (mm)	Min. Guaranteed Coil Length (m)	Min. Coating Thickness (mm)	Burst Pressure (MPa)	ASTM Working Pressure (MPa)	Water Content (l/m)
10 x 1	50	1,5	44,88	11,22	0,050
12 x 1	50	1,5	37,40	9,35	0,079
14 x 1	50	1,5	32,06	8,01	0,113
16 x 1	50	1,5	28,05	7,01	0,154
18 x 1	50	1,5	24,93	6,23	0,201
22 x 1	25	1,5	20,40	5,10	0,314

OD = Outer Diameter WT = Wall Thickness