# COPPER TUBES FOR DOMESTIC PLUMBING TUBE SYSTEMS

SANCO®
SANCO® is Europe's No. 1 plain copper plumbing tube and can be used in all areas of domestic plumbing.
- in coils of 25 m and 50 m
- in straight lengths of 5 m

COPATIN®
The tube is tin-plated using a special KME process. This makes it suitable for all drinking water.
- in coils of 25 m
- in straight lengths of 5 m

WICU®
The plastic-covered copper tube, is designed for all applications in domestic plumbing, especially where good exterior protection is needed.
- in coils of 25 m and 50 m
- in straight lengths of 5 m

WICU® Extra
This insulated copper tube is highly suited for transportation of hot water in sanitation and heating systems. For all pipework where heat loss has to be reduced to a minimum.
- in coils of 25 m
- in straight lengths of 5 m

WICU® Flex
The tube is fitted with a flexible PE sheath, which reduces sound transmission as well as condensation and heat losses.
- in coils of 25 m and 50 m

CUPROTHERM®
The Underfloor heating system is based on copper tubes, giving it a distinct material advantage over many similar products.
- in coils of 50 m

# Manufacturing Programme and Technical Data

## SANCO® - copper installation tubes

| copper tube outer-Ø wall thickness d x s (mm) | weight (kg/m) | max. permissible working pressure* P (bar) | water content per metre V (l/m) | tube length per litre (m/l) | available in 5m lengths | 25m coils | 50m coils |
|---|---|---|---|---|---|---|---|
| 6,0 x 1,0** | 0,140 | 229 | 0,013 | 79,30 | • | | • |
| 8,0 x 1,0** | 0,196 | 163 | 0,028 | 35,30 | • | | • |
| 10,0 x 1,0** | 0,252 | 127 | 0,050 | 19,90 | • | | • |
| 12,0 x 1,0 | 0,308 | 104 | 0,079 | 12,74 | • | | • |
| 15,0 x 1,0 | 0,391 | 82 | 0,133 | 7,53 | • | | • |
| 18,0 x 1,0 | 0,475 | 67 | 0,201 | 5,00 | • | • | • |
| 22,0 x 1,0 | 0,587 | 54 | 0,314 | 3,19 | • | • | |
| 28,0 x 1,0** | 0,755 | 42 | 0,531 | 1,88 | • | | |
| 28,0 x 1,5 | 1,110 | 65 | 0,491 | 2,04 | • | | |
| 35,0 x 1,5 | 1,410 | 51 | 0,804 | 1,24 | • | | |
| 42,0 x 1,5 | 1,700 | 42 | 1,195 | 0,84 | • | | |
| 54,0 x 2,0 | 2,910 | 44 | 1,963 | 0,51 | • | | |
| 64,0 x 2,0 | 3,467 | 37 | 2,827 | 0,35 | • | | |
| 76,1 x 2,0 | 4,144 | 31 | 4,083 | 0,24 | • | | |
| 88,9 x 2,0 | 4,859 | 26 | 5,661 | 0,18 | • | | |
| 108,0 x 2,5 | 7,374 | 27 | 8,332 | 0,12 | • | | |
| 133,0 x 3,0 | 10,904 | 26 | 12,668 | 0,08 | • | | |
| 159,0 x 3,0 | 13,085 | 22 | 18,385 | 0,05 | • | | |
| 219,0 x 3,0 | 18,118 | 16 | 35,633 | 0,03 | • | | |
| 267,0 x 3,0 | 22,144 | 13 | 53,502 | 0,02 | • | | |

## COPATIN®

| copper tube outer-Ø wall thickness d x s (mm) | weight (kg/m) | max. permissible working pressure* P (bar) | water content per metre V (l/m) | total outer-Ø resp. sheath Ø D (mm) | available in 5m lengths | 25m coils | 50m coils |
|---|---|---|---|---|---|---|---|
| 12,0 x 1,0 | 0,308 | 104 | 0,079 | 13 | • | • | |
| 15,0 x 1,0 | 0,391 | 82 | 0,133 | 16 | • | • | |
| 18,0 x 1,0 | 0,475 | 67 | 0,201 | 19 | • | • | |
| 22,0 x 1,0 | 0,587 | 54 | 0,314 | 23 | • | • | |
| 28,0 x 1,5 | 1,110 | 65 | 0,491 | 29 | • | | |
| 35,0 x 1,5 | 1,410 | 51 | 0,804 | 36 | • | | |
| 42,0 x 1,5 | 1,700 | 42 | 1,195 | 43 | • | | |
| 54,0 x 2,0 | 2,910 | 44 | 1,963 | 55 | • | | |
| 76,1 x 2,0 | 4,144 | 31 | 4,083 | 78 | • | | |
| 88,9 x 2,0 | 4,859 | 26 | 5,661 | 91 | • | | |
| 108,0 x 2,5 | 7,374 | 27 | 8,332 | 109 | • | | |

## WICU®

| copper tube outer-Ø wall thickness d x s (mm) | weight (kg/m) | max. permissible working pressure* P (bar) | water content per metre V (l/m) | total outer-Ø resp. sheath Ø D (mm) | available in 5m lengths | 25m coils | 50m coils |
|---|---|---|---|---|---|---|---|
| **WICU® Rohr** | | | | | | | |
| 6,0 x 1,0** | 0,140 | 229 | 0,013 | 10 | | • | • |
| 8,0 x 1,0** | 0,196 | 163 | 0,028 | 12 | | • | • |
| 10,0 x 1,0** | 0,252 | 127 | 0,050 | 14 | | • | • |
| 12,0 x 1,0 | 0,308 | 104 | 0,079 | 16 | • | • | • |
| 15,0 x 1,0 | 0,391 | 82 | 0,133 | 19 | • | • | • |
| 18,0 x 1,0 | 0,475 | 67 | 0,201 | 23 | • | • | • |
| 22,0 x 1,0 | 0,587 | 54 | 0,314 | 27 | • | • | |
| 28,0 x 1,5 | 1,110 | 65 | 0,491 | 33 | • | | |
| 35,0 x 1,5 | 1,410 | 51 | 0,804 | 40 | • | | |
| 42,0 x 1,5 | 1,700 | 42 | 1,195 | 48 | • | | |
| 54,0 x 2,0 | 2,910 | 44 | 1,963 | 60 | • | | |
| **WICU® Extra** | | | | | | | |
| 12,0 x 1,0 | 0,308 | 104 | 0,079 | 32 | • | • | |
| 15,0 x 1,0 | 0,391 | 82 | 0,133 | 36 | • | • | |
| 18,0 x 1,0 | 0,475 | 67 | 0,201 | 40 | • | • | |
| 22,0 x 1,0 | 0,587 | 54 | 0,314 | 45 | • | | |
| 28,0 x 1,5 | 1,110 | 65 | 0,491 | 65 | • | | |
| 35,0 x 1,5 | 1,410 | 51 | 0,804 | 71 | • | | |
| 42,0 x 1,5 | 1,700 | 42 | 1,195 | 90 | • | | |
| 54,0 x 2,0 | 2,910 | 44 | 1,963 | 113 | • | | |
| **WICU® Flex** | | | | | | | |
| 12 x 1,0 | 0,308 | 104 | 0,079 | 24 | | • | • |
| 15 x 1,0 | 0,391 | 82 | 0,133 | 27 | | • | • |
| 18 x 1,0 | 0,475 | 67 | 0,201 | 30 | | • | • |
| 22 x 1,0 | 0,587 | 54 | 0,314 | 34 | | • | |

## CUPROTHERM®

| copper tube outer-Ø wall thickness d x s (mm) | weight (kg/m) | max. permissible working pressure* P (bar) | water content per metre V (l/m) | total outer-Ø resp. sheath Ø D (mm) | available in 5m lengths | 25m coils | 50m coils |
|---|---|---|---|---|---|---|---|
| 10,0 x 0,6 | 0,158 | 73 | 0,061 | 14 | | | • |
| 12,0 x 0,7 | 0,221 | 70 | 0,088 | 14 | | | • |
| 14,0 x 0,8 | 0,295 | 69 | 0,120 | 16 | | | • |

* The max. permissible working pressure was calculated based on annealed cooper tubes at $R_m$ = 200 N/mm² and a security value of 3,5. The max. permissible working pressure applies to the copper tube, not to the tube joints. Other stadard specifications on request.

**These sizes are not included in GW 392 (technical rules of DVGW). For this reason these are not marked with the DVGW-mark.