

Coating type:

Basic

Current:



Welding positions:



Bronsil is our basic coated tin-bronze electrode for joining and surfacing copper and copper alloys, phosphor- and tin-bronzes as well as copper-clad plates in mechanical and plant engineering and shipbuilding. The electrode is also suitable for cladding steel and minor repair jobs in cast iron and C/Mn steel. Typical applications include repairing rotors and ship screws.

Base materials to be welded:

- Tin-bronze alloys CuSn 2, CuSn 6, CuSn 8, CuSn 6 Zn
- WNr. 2.1010, 2.1020, 2.1030, 2.1080

Applications:

- Shipbuilding & Offshore
- Repair & Maintenance
- Process Industry

Chemical composition, wt. % weld metal – typical:

Sn	Cu
7,00	Bal.

Mechanical properties, weld metal – typical:

Condition	Tensile strength MPa	Elongation Lo=5d - %	Hardness
As welded	Approx. 300	> 30	Approx. 100 HB

Packaging and welding data:

Dia. mm.	Length mm.	Weight (kgs) 1000 pcs.	Current A
2,5	350	18,5	60-80
3,2	350	34,5	80-100
4,0	350	52,6	100-120