

**bercoweld® A8** is very suitable for hard soldering and welding galvanized steels. Very good corrosion and wear resistance. Preheating is recommended for large workpieces.

## Standardization and composition

<b>ISO 24373</b>	CuAl7 Cu6100
<b>Cu</b>	balance
<b>Al</b>	7.50 - 8.00
<b>Mn</b>	0.10 - 0.30
<b>Ni</b>	0.10 - 0.50
<b>Others</b>	max. 0.5

## Physical properties

<b>Density (kg/dm<sup>3</sup>)</b>	7.7
<b>Melting range (°C)</b>	1030 - 1040
<b>Thermal conductivity (W / m x K)</b>	65
<b>Coefficient of linear mean expansion (10<sup>-6</sup>/K)</b>	17
<b>Electrical conductivity (m / Ω x mm<sup>2</sup>)</b>	7 - 8
<b>Resistivity (Ω x mm<sup>2</sup> / m)</b>	0.11 - 0.143

## Mechanical properties of the weld joint (standard data)

<b>Heat treatment</b>	non treated
<b>Tensile strength (MPa)</b>	430
<b>Elongation (%)</b>	40
<b>Brinell hardness (HB 2.5/62.5)</b>	100
<b>Notched bar impact test (Av (J))</b>	100

## Delivery options

<b>Make-up</b>	<b>Weight/Length</b>	<b>Dimension</b>
<b>Drum / bedradox</b>	175 - 200 kg	0.80 - 1.60 mm
<b>SD300 / BS300 / K300</b>	12 - 15 kg	0.80 - 2.40 mm
<b>H500 / H560 / H760</b>	150 - 250 kg	0.80 - 2.40 mm
<b>Coils</b>	25 - 100 kg	1.60 - 6.00 mm
<b>Rods</b>	250 - 3000 mm	1.60 - 6.00 mm