



# CEWELD CuAl8

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                      |                    |                         |          |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------|--------------------|-------------------------|----------|
| TYPE                                              | Copper aluminium alloy for Mig welding and brazing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                         |                      |                    |                         |          |
| APPLICATIONS                                      | Rebuilding brass ship propellers and cladding surfaces against wear and corrosion attack. Welding galvanized plates or stainless steel sheets and suitable for cladding cast iron and un- and low alloyed steels.                                                                                                                                                                                                                                                                                                                                                                             |                         |                      |                    |                         |          |
| PROPERTIES                                        | High quality alloyed copper wire for the Mig process (Mig brazing as well). The weld metal is a Copper-Aluminum bronze. Sound, pore free deposits on ferrous and non-ferrous base materials. Excellent corrosion resistance.                                                                                                                                                                                                                                                                                                                                                                  |                         |                      |                    |                         |          |
| CLASSIFICATION                                    | AWS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A 5.7: ERCuAl-A1        |                      |                    |                         |          |
|                                                   | EN ISO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 24373: Cu 6100 / CuAl7  |                      |                    |                         |          |
|                                                   | W.Nr.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.0921                  |                      |                    |                         |          |
|                                                   | F-nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 36                      |                      |                    |                         |          |
| SUITABLE FOR                                      | Brass, copper, steel, CuZn alloys, Ship propeller, AISI 304, sliding Surface, shafts, bearings etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |                      |                    |                         |          |
| APPROVALS                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                      |                    |                         |          |
| WELDING POSITIONS                                 |        |                         |                      |                    |                         |          |
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | Si                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Mn                      | Cu                   | Zn                 | Pb                      | Al       |
|                                                   | 0.08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.3                     | Rem.                 | 0.1                | 0.01                    | 7        |
| MECHANICAL PROPERTIES                             | Heat Treatment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | R <sub>P0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A <sub>5</sub> (%) | Impact Energy (J) ISO-V | Hardness |
|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                      |                    | RT                      |          |
|                                                   | As Welded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         | 430                  | 40                 | 100                     | 100 HB   |
| REDRYING                                          | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |                      |                    |                         |          |
| GAS ACC. EN ISO 14175                             | I1, I3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                      |                    |                         |          |



# CEWELD CuAl8

## CUAL8 0,8MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| D-200     | 5       | 8720663408723 |
| D-300     | 15      | 8720663408716 |

## CUAL8 1,0MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| BS-300    | 15      | 8720663408730 |
| D-200     | 5       | 8720663408754 |
| D-300     | 15      | 8720663408747 |
| Drum      | 250     | 8720663408761 |

## CUAL8 1,2MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| BS-300    | 15      | 8720663408778 |
| BS-300    | 15      | 8720663408785 |
| D-200     | 5       | 8720663408808 |
| Drum      | 250     | 8720663408792 |

## CUAL8 1,6MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| BS-300    | 15      | 8720663408815 |
| D-300     | 15      | 8720663408822 |
| Drum      | 250     | 8720663408839 |