



# CEWELD Al 99,5 Ti

|                                                   |                                                                                                                                                                                      |                             |                      |        |          |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------|--------|----------|
| TYPE                                              | Pure aluminum filler metal for Mig welding                                                                                                                                           |                             |                      |        |          |
| TOEPASSINGEN                                      | Aluminium wire for welding mostly pure aluminium (maximum 0,5% of alloyed elements).<br>Applications in chemistry, electronics, construction and food industries.                    |                             |                      |        |          |
| EIGENSCHAPPEN                                     | This pure aluminum filler metal offers excellent weldability when properly cleaned prior to welding.<br>Heavy parts and thicker plates should be preheated (150°C), prior to welding |                             |                      |        |          |
| CLASSIFICATIE                                     | AWS                                                                                                                                                                                  | A 5.10: ER1450              |                      |        |          |
|                                                   | EN ISO                                                                                                                                                                               | 18273: S Al 1450 (Al99,5Ti) |                      |        |          |
|                                                   | W.Nr.                                                                                                                                                                                | 3.0805                      |                      |        |          |
|                                                   | F-nr                                                                                                                                                                                 | 21                          |                      |        |          |
| GESCHIKT VOOR                                     | Cast aluminium special repairs, Pure aluminum<br>Al99,0 Al.99,5 Al.99,7 E-Al.<br>3.0255, 3.0205                                                                                      |                             |                      |        |          |
| GOEDKEURINGEN                                     | CE                                                                                                                                                                                   |                             |                      |        |          |
| LASPOSITIES                                       |                                                                                                     |                             |                      |        |          |
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | Si                                                                                                                                                                                   | Mn                          | Ti                   | Fe     | Al       |
|                                                   | 0.2                                                                                                                                                                                  | 0.01                        | 0.15                 | 0.2    | 99.6     |
| MECHANISCHE WAARDEN                               | Heat Treatment                                                                                                                                                                       | R <sub>P0,2</sub> (MPa)     | R <sub>m</sub> (MPa) | A5 (%) | Hardness |
|                                                   | As Welded                                                                                                                                                                            | 30                          | 80                   | 40     | HRc      |
| HERDROGEN                                         | Not required                                                                                                                                                                         |                             |                      |        |          |
| GAS ACC. EN ISO 14175                             | I1, I3                                                                                                                                                                               |                             |                      |        |          |