



# CEWELD Al 99,5 Ti Tig

|                                                      |                                                                                                                                                                                      |                             |                         |                      |        |          |      |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------|----------------------|--------|----------|------|
| TYPE                                                 | Pure aluminum filler metal for Tig welding                                                                                                                                           |                             |                         |                      |        |          |      |
| APPLICATIONS                                         | Aluminium wire for welding mostly pure aluminium (maximum 0,5% of alloyed elements).<br>Applications in chemistry, electronics, construction and food industries.                    |                             |                         |                      |        |          |      |
| PROPRIÉTÉS                                           | 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 |                             |                         |                      |        |          |      |
| CLASSIFICATION                                       | AWS                                                                                                                                                                                  | A 5.10: ER1450              |                         |                      |        |          |      |
|                                                      | EN ISO                                                                                                                                                                               | 18273: S Al 1450 (Al99,5Ti) |                         |                      |        |          |      |
|                                                      | F-nr                                                                                                                                                                                 | 21                          |                         |                      |        |          |      |
| CONVIENT POUR                                        | Cast aluminium special repairs, Al99,0 Al.99,5 Al.99,7 E-Al                                                                                                                          |                             |                         |                      |        |          |      |
| AGRÉMENTS                                            | CE                                                                                                                                                                                   |                             |                         |                      |        |          |      |
| POSITIONS DE SOUDAGE                                 |                                                                                                     |                             |                         |                      |        |          |      |
| ANALYSE CHIMIQUE<br>TYPIQUE DU MÉTAL<br>D'APPORT (%) | Si                                                                                                                                                                                   | Mn                          | Ti                      | Fe                   | Cu     | Zn       | Al   |
|                                                      | 0.2                                                                                                                                                                                  | 0.02                        | 0.15                    | 0.2                  | 0.02   | 0.03     | 99.6 |
| PROPRIÉTÉS MÉCANIQUES                                | Heat Treatment                                                                                                                                                                       |                             | R <sub>P0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Hardness |      |
|                                                      | As Welded                                                                                                                                                                            |                             | 30                      | 80                   | 40     | HRc      |      |
| ETUVAGE                                              | Not required                                                                                                                                                                         |                             |                         |                      |        |          |      |
| GAS ACC. EN ISO 14175                                | I1, I3                                                                                                                                                                               |                             |                         |                      |        |          |      |