



# CEWELD Al 99,5 Ti

|                                                      |                                                                                                                                                                                      |                             |                         |           |          |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------|-----------|----------|
| TYPE                                                 | Pure aluminum filler metal for Mig welding                                                                                                                                           |                             |                         |           |          |
| ANWENDUNGEN                                          | Aluminium wire for welding mostly pure aluminium (maximum 0,5% of alloyed elements).<br>Applications in chemistry, electronics, construction and food industries.                    |                             |                         |           |          |
| EIGENSCHAFTEN                                        | 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 |                             |                         |           |          |
| KLASSIFIKATION                                       | AWS                                                                                                                                                                                  | A 5.10: ER1450              |                         |           |          |
|                                                      | EN ISO                                                                                                                                                                               | 18273: S Al 1450 (Al99,5Ti) |                         |           |          |
|                                                      | W.Nr.                                                                                                                                                                                | 3.0805                      |                         |           |          |
|                                                      | F-nr                                                                                                                                                                                 | 21                          |                         |           |          |
| GEEIGNET FÜR                                         | Cast aluminium special repairs, Pure aluminum<br>Al99,0 Al.99,5 Al.99,7 E-Al.<br>3.0255, 3.0205                                                                                      |                             |                         |           |          |
| ZULASSUNGEN                                          | CE                                                                                                                                                                                   |                             |                         |           |          |
| SCHWEISSPOSITIONEN                                   |                                                                                                                                                                                      |                             |                         |           |          |
| TYPISCHE CHEMISCHE<br>ANALYSE DES<br>FÜLLMETALLS (%) | Si                                                                                                                                                                                   | Mn                          | Ti                      | Fe        | Al       |
|                                                      | 0.2                                                                                                                                                                                  | 0.01                        | 0.15                    | 0.2       | 99.6     |
| MECHANISCHE GÜTEWERTE                                | Heat<br>Treatment                                                                                                                                                                    | R <sub>P0,2</sub><br>(MPa)  | R <sub>m</sub><br>(MPa) | A5<br>(%) | Hardness |
|                                                      | As Welded                                                                                                                                                                            | 30                          | 80                      | 40        | HRc      |
| RÜCKTROCKNUNG                                        | Not required                                                                                                                                                                         |                             |                         |           |          |
| GAS ACC. EN ISO 14175                                | I1, I3                                                                                                                                                                               |                             |                         |           |          |