



# 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). Applications in chemistry, electronics, construction and food industries.                    |                             |                      |                    |          |
| EIGENSCHAFTEN                                  | This pure aluminum filler metal offers excellent weldability when properly cleaned prior to welding. 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 ANALYSE DES FÜLLMETALLS (%) | Si                                                                                                                                                                                | Mn                          | Ti                   | Fe                 | Al       |
|                                                | 0.2                                                                                                                                                                               | 0.01                        | 0.15                 | 0.2                | 99.6     |
| MECHANISCHE GÜTEWERTE                          | Heat Treatment                                                                                                                                                                    | R <sub>P0,2</sub> (MPa)     | R <sub>m</sub> (MPa) | A <sub>5</sub> (%) | Hardness |
|                                                | As Welded                                                                                                                                                                         | 30                          | 80                   | 40                 | HRc      |
| RÜCKTROCKNUNG                                  | Not required                                                                                                                                                                      |                             |                      |                    |          |
| GAS ACC. EN ISO 14175                          | I1, I3                                                                                                                                                                            |                             |                      |                    |          |