
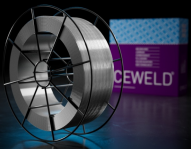


# CEWELD SP 80/20 NiAl

| <b>TYPE</b>  | Composite spray wire for bond coatings  |                      |                         |                      |        |          |           |     |     |    |       |
|--|---|----------------------|-------------------------|----------------------|--------|----------|-----------|-----|-----|----|-------|
| <b>TOEPASSINGEN</b>                                      | SP 80/20 NiAl is widely used as a bond coat for subsequent thermal spray layers and as a one step build up material for dimensional restoration of aircraft engines.  |                      |                         |                      |        |          |           |     |     |    |       |
| <b>EIGENSCHAPPEN</b>                                     | SP 80/20 NiAl is a cored wire specifically designed for both, arc spraying and flame spraying. It is self bonding to most materials and requires minimal surface preparation. Bond strengths in excess of 9000 psi can be achieved on grit blasted surfaces. SP 80/20 NiAl exhibits good resistance to high temperature oxidation and abrasion, and excellent resistance to impact and bending. SP 80/20 NiAl can be machined and ground to a finish of 5 micro inches. |                      |                         |                      |        |          |           |     |     |    |       |
| <b>CLASSIFICATIE</b>                                     | EN ISO 14919: 6.6   |                      |                         |                      |        |          |           |     |     |    |       |
| <b>GESCHIKT VOOR</b>                                     | Build up material for dimensional restoration of aircraft engines.  |                      |                         |                      |        |          |           |     |     |    |       |
| <b>GOEDKEURINGEN</b>                                     |   |                      |                         |                      |        |          |           |     |     |    |       |
| <b>LASPOSITIES</b>                                       |    |                      |                         |                      |        |          |           |     |     |    |       |
| <b>TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)</b> | <table border="1" data-bbox="363 913 1406 999"> <thead> <tr> <th>Si</th> <th>Mn</th> <th>Fe</th> <th>Al</th> <th>Ni</th> </tr> </thead> <tbody> <tr> <td>0.4</td> <td>0.2</td> <td>0.1</td> <td>20</td> <td>Rem.</td> </tr> </tbody> </table>   | Si                   | Mn                      | Fe                   | Al     | Ni       | 0.4       | 0.2 | 0.1 | 20 | Rem.  |
| Si   | Mn  | Fe                   | Al                      | Ni                   |        |          |           |     |     |    |       |
| 0.4  | 0.2   | 0.1                  | 20                      | Rem.                 |        |          |           |     |     |    |       |
| <b>MECHANISCHE WAARDEN</b>                               | <table border="1" data-bbox="363 1048 1406 1167"> <thead> <tr> <th>Heat Treatment</th> <th>R<sub>P0,2</sub> (MPa)</th> <th>R<sub>m</sub> (MPa)</th> <th>A5 (%)</th> <th>Hardness</th> </tr> </thead> <tbody> <tr> <td>As Welded</td> <td></td> <td></td> <td></td> <td>75 HB</td> </tr> </tbody> </table>   | Heat Treatment       | R <sub>P0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Hardness | As Welded |     |     |    | 75 HB |
| Heat Treatment   | R <sub>P0,2</sub> (MPa)   | R <sub>m</sub> (MPa) | A5 (%)                  | Hardness             |        |          |           |     |     |    |       |
| As Welded  |   |                      |                         | 75 HB                |        |          |           |     |     |    |       |
| <b>HERDROGEN</b>   | Not required  |                      |                         |                      |        |          |           |     |     |    |       |
| <b>GAS ACC. EN ISO 14175</b>                             | None  |                      |                         |                      |        |          |           |     |     |    |       |



# CEWELD SP 80/20 NiAl

SP 80/20 NIAL 3,15MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| K-415     | 5       | 8720663410030 |