




# CEWELD SP 1.8401

|   |  |                       |                    |        |      |                           |      |     |     |
|---|--|-----------------------|--------------------|--------|------|---------------------------|------|-----|-----|
| TYPE  | Copper coated solid thermal spray wire for coatings with high hardness.  |                       |                    |        |      |                           |      |     |     |
| APPLICATIONS                                      | Machine parts, storage surfaces, shafts, cylinder surfaces etc..   |                       |                    |        |      |                           |      |     |     |
| PROPERTIES  | Medium hard, wear resistant alloy with excelent lubricating and sliding properties with high bonding strength. Is an 1.8401 wire type specially modified for spraying. |                       |                    |        |      |                           |      |     |     |
| CLASSIFICATION                                    | EN ISO   |                       | 14919: X.mod type  |        |      |                           |      |     |     |
| SUITABLE FOR                                      | Flame spray, electric spray and high speed flame spray.  |                       |                    |        |      |                           |      |     |     |
| APPROVALS   | No Approvals Found   |                       |                    |        |      |                           |      |     |     |
| WELDING POSITIONS                                 |   |                       |                    |        |      |                           |      |     |     |
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | C  | Si                    | Mn                 | P      | S    | Cr                        | Ni   | Mo  | Al  |
|   | 0.35   | 0.3                   | 0.6                | 0.01   | 0.01 | 1.7                       | 0.95 | 0.2 | 0.9 |
| ALL WELD MECHANICAL PROPERTIES                    | Heat Treatment   | R <sub>P0,2</sub> MPa | R <sub>m</sub> MPa | A5 (%) |      | Hardness Brinell Hardness |      |     |     |
|   | As Welded /1h  |                       |                    |        |      | Avg. 300                  |      |     |     |
| REDRYING TEMPERATURE                              | Not required   |                       |                    |        |      |                           |      |     |     |
| GAS ACCORDING EN 14175                            | M21  |                       |                    |        |      |                           |      |     |     |