



# CEWELD SP 95/5 (NiAl)

**TYPE** SP 95/5 is a Nickel-Aluminum based alloy for use as a bonding layer with the thermal spray process

**TOEPASSINGEN** New coatings on machine parts and shafts to increase life, rebuilding wornout parts etc. Layer thickness: approximately 0.1- 0.15 mm.

**EIGENSCHAPPEN** This alloy offers the highest bonding properties available for both the Flame spray process as the Arc Spray process. The wire has a high polished and clean surface to assure the best feeding and thermal spray properties. Sprayed layers of this material are-resistant to variation in high temperatures and are used as a buffer layer for all other spraying alloys. Hardness, coating macro: approximately HRc 22. Maximum working temperature: approximately 850 °C

**CLASSIFICATIE** EN ISO 14919: 6.5

**GESCHIKT VOOR** Shafts, Clutches, Gliding surfaces, Valves, Bond coatings etc.

**GOEDKEURINGEN**

**LASPOSITIES**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

| Si  | Mn  | Ti  | Fe  | Al  | Ni   |
|-----|-----|-----|-----|-----|------|
| 0.2 | 0.2 | 0.2 | 0.1 | 5.2 | Rem. |

**MECHANISCHE WAARDEN**

| Heat Treatment | R <sub>P0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Hardness |
|----------------|-------------------------|----------------------|--------|----------|
| As Welded      |                         |                      |        | 75 HB    |

**HERDROGEN** Not required

**GAS ACC. EN ISO 14175** None