



# CEWELD SA Nicro 690 strip



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| TYPE                  | Sintered Nickel-Chromium Strip                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| TOEPASSINGEN          | Thanks to its excellent resistance to wet and high-temperature corrosion, and its good mechanical properties, CEWELD® SA Nicro 690 strip is suitable for a wide range of applications. Typical applications are: treatment of radioactive waste, components in boilers and steam generators in pressurised water reactors, production of alkali metal sulphates using Mannheim furnaces, glass and silicate production.                                                                                                                                                                                                                                                                                                                     |
| EIGENSCHAPPEN         | CEWELD® SA Nicro 690 strip is resistant to a wide range of corrosive media and atmospheres. The high chromium content makes the deposit particularly suitable for strongly oxidising conditions. The high chromium content also confers resistance to high-temperature corrosion in gases having an oxidising and sulphidising effect. Due to its high nickel content, CEWELD® SA Nicro 690 Strip is exceptionally resistant to stress corrosion cracking which can occur in the primary water loops of nuclear power stations. The material also shows good resistance in mixtures of nitric and hydrofluoric acid. It demonstrates remarkable behaviour in concentrated (98.5 %) sulphuric acid at temperatures of up to 150 °C (300 °F). |
| CLASSIFICATIE         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| GESCHIKT VOOR         | CEWELD® SA Nicro 690 Strip is mainly used for ESW and SAW cladding on steels to obtain corrosion and heat resistant layers. Go to CEWELD® FL 860 ESHC suitable flux.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| GOEDKEURINGEN         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| LASPOSITIES           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MECHANISCHE WAARDEN   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| HERDROGEN             | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| GAS ACC. EN ISO 14175 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |