



CEWELD E DUR RU (Ni)

TYPE NiCrBSi based SMAW electrode filled with tungsten carbides for extreme wear resistant overlays.

APPLICATIONS CEWELD® E DUR RU (Ni) can be surfaced on all types of steels except cast iron or Mn steel. This alloy is the most wear resistant grade for most hardfacing applications. With very fine dust abrasion, the matrix may be washed out and lose the embedded tungsten carbides, in which case another hardfacing product should be considered.
The main areas of application are the coating and rebuilding of stabilizers and other oilfield tools where maximum protection is required. Also for screws, impellers, mixer plates in the brick and clay industry and on decanter screws in the food and chemical industry where corrosion resistance is required.

PROPERTIES CEWELD®E DUR RU (Ni) is a coated cored wire tube for electrofusion welding, a hardfacing product consisting of crushed tungsten carbide and a Ni-based alloy. The crushed tungsten carbide guarantees a long service life. In addition, the Ni-based alloy offers excellent corrosion resistance. CEWELD®E DUR RU (Ni) has excellent welding and wetting properties at very low currents. It is easy to handle and inexperienced welders will have no difficulty in producing smooth deposits without cracking. Multi-layer build-ups are possible and worn parts can be restored without removing the old material. CEWELD®E DUR RU (Ni) can be used on all types of steel except cast iron or Mn steel.
SWSC: 3,000 HV0.1
Matrix: 480-520 HV0.1
Special carbides (SC): 2,900 HV0.1

CLASSIFICATION EN ISO 14700: E Ni20

SUITABLE FOR Scratchers, Mixers, Deep drilling, Bentonit mixers, Cement mixers, Stabilisers, Impellers, Augers etc.

APPROVALS

WELDING POSITIONS 

TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	WSC
	65

MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
	As Welded				43 HRc
	As Welded				2400 HV

REDRYING Not required

Ni-matrix: ± 480-520 HV, WSC (carbides) ± 2350 HV

GAS ACC. EN ISO 14175



CEWELD E DUR RU (Ni)

E DUR RU (Ni) 4,0 X 350MM

Packaging	KG/unit	EanCode
Can	2,5	8720663402783

E DUR RU (Ni) 5,0 X 350MM

Packaging	KG/unit	EanCode
Can	2,5	8720663402790