



# CEWELD E DUR RU

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

**TOEPASSINGEN** To be applied on-armor-plating's of tools and machine parts in the mining, road construction, well digging, special civil engineering, depression drilling technology, where strongest abrasion by minerals may occur.

**EIGENSCHAPPEN** CEWELD® E DUR RU is a steel tube filled with fused tungsten carbides. The weld deposit contains a high amount of tungsten carbides embedded in a steel matrix. The extraordinary hardness of the fused tungsten carbides (WSC) of approx. 2300 HV imply the high build-up wear resistance. It is a dip-coated electrode suitable for electrical welding on AC as well as on DC. The carbon content of the base metal should not exceed 0,45 % in order to avoid lack of fusion.

**CLASSIFICATIE** EN ISO 14700: E Fe20

**GESCHIKT VOOR** Scratchers, Mixers, Deep drilling, Mining, Bentonit mixers, Cement mixers, Stabilisers, Impellers, Augers etc.

**GOEDKEURINGEN**

**LASPOSITIES**



**TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)**

**MECHANISCHE WAARDEN**

Heat Treatment	R <sub>p0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A5 (%)	Hardness
As Welded				2350 HV

**HERDROGEN** Not required

Matrix: > 60 HRc, WSC (carbides) > 2300 HV

**GAS ACC.** EN ISO 14175