



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 _{p0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness
As Welded				2350 HV

HERDROGEN Not required

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

GAS ACC. EN ISO 14175