



CEWELD E DUR RU

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

APPLICATIONS 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.

PROPRIÉTÉS 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.

CLASSIFICATION EN ISO 14700: E Fe20

CONVIENT POUR Scratchers, Mixers, Deep drilling, Mining, Bentonit mixers, Cement mixers, Stabilisers, Impellers, Augers etc.

AGRÉMENTS

POSITIONS DE SOUDAGE



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

PROPRIÉTÉS MÉCANIQUES

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

ETUVAGE Not required

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

GAS ACC. EN ISO 14175