



# CEWELD E DUR RU

**TYPE** Iron based SMAW electrode filled with tungsten carbides for extreme wear resistant overlays.(E Fe20, 60 HRc, 2300Hv)

**APPLICATIONS** CEWELD® E DUR RU is for hard facing unalloyed and low alloyed steels (cast steels) with a maximum carbon content of 0.45%. Higher carbon content could lead to cracking. For welding on most high alloyed steels after a buffer layer is recommended. Also for hard facing tools and machine parts that are exposed to wear in mining, excavation, digging, road construction and deep drilling 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.

**PROPERTIES** CEWELD® E DUR RU weld metal contains a high proportion of tungsten carbides embedded in a steel matrix. The exceptional hardness of the tungsten carbides (WSC) of approx. 2300 HV is responsible for the high wear resistance. It is a dip-coated electrode that is suitable for both AC and DC electric welding. The matrix has a hardness of up to 60 HRc.

**CLASSIFICATION** EN ISO 14700: E Fe20

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

**APPROVALS** No Approvals Found

**WELDING POSITIONS**



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

**ALL WELD MECHANICAL PROPERTIES**

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

**REDRYING TEMPERATURE** Not required

**GAS ACCORDING EN 14175**