



CEWELD AA 66 Safe

TYPE Cr-free Hardfacing Cored wire. (64-68 HRc)

APPLICATIONS **CEWELD® AA 66 Safe** is a **chromium-free** hardfacing wire designed for extreme abrasion resistance. Typical applications include excavator cutters, mixer blades, conveyor augers, concrete pumps, and gravel and sand processing equipment.

PROPERTIES The hardfacing deposit of **CEWELD® AA 66 Safe** contains a high density of special boron-carbides, providing exceptional resistance to severe abrasion from sand and minerals. The weld metal is machinable only by grinding, and the use of a stringer bead technique is highly recommended. While the hardfacing layer naturally develops check cracks, this does not impair its wear resistance; these cracks effectively reduce residual stresses within the layer and prevent it from delaminating from the base material. A single layer applied to mild steel achieves a hardness of over 60 HRc, while a maximum of two layers can be applied to reach a hardness of up to 70 HRc.

CLASSIFICATION EN ISO 14700: T Fe13

SUITABLE FOR ~70 HRc

APPROVALS No Approvals Found

WELDING POSITIONS



| TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%) | C | Si | Mn | Ni | B |
|---|-----|-----|----|-----|-----|
| | 0.6 | 1.1 | 2 | 2.8 | 4.8 |

| ALL WELD MECHANICAL PROPERTIES | Heat Treatment | R _{p0,2} MPa | R _m MPa | A5 (%) | Hardness Rockwell C |
|--------------------------------|----------------|-----------------------|--------------------|--------|---------------------|
| | As Welded / | | | | Avg. 66 |

REDRYING TEMPERATURE Not required

GAS ACCORDING EN 14175 M12



CEWELD AA 66 Safe

AA 66 SAFE 1,2MM

| Type | KG/unit | EANCode |
|--------|---------|---------------|
| BS-300 | 15 | 8720682052235 |

AA 66 SAFE 1,6MM

| Type | KG/unit | EANCode |
|--------|---------|---------------|
| BS-300 | 15 | 8720682052242 |