



CEWELD AA 58 Safe

TYPE Ni/Cr-free hardfacing cored wire. (0%Ni / 0% Cr)

APPLICATIONS **CEWELD® AA 58 Safe** is a **nickel- and chromium-free** hardfacing wire designed for extreme abrasion resistance, where a single layer applied to mild steel achieves a hardness of over 55 HRc. Typical applications include cutting tools, cutting edges, industrial knives, shears, shredder blades, and breaking parts. In the cement and steel industries, it is highly suitable for hot rollers, impellers, sintering plant components, and furnace components.

PROPERTIES Because chromium(VI) emissions are a critical concern in welding, **CEWELD® AA 58 Safe** was specifically developed to deliver outstanding welding performance while completely eliminating chromium and nickel content, thereby drastically reducing hazardous and harmful emissions during the welding process. For base materials that are sensitive to welding, preheating or applying a buffer layer of CEWELD® 4370 or CEWELD® OA MnCr is highly recommended.

CLASSIFICATION EN ISO 14700: T Z Fe3

SUITABLE FOR ~ 58 HRc

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Si	Mn	Mo	V
	0.6	1	1	2	2

MECHANICAL PROPERTIES	Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
	As Welded				56 HRc

REDRYING Not required

GAS ACC. EN ISO 14175 M21



CEWELD AA 58 Safe

AA 58 SAFE 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720682052211

AA 58 SAFE 1,6MM

Packaging	KG/unit	EanCode
BS-300	15	8720682052228