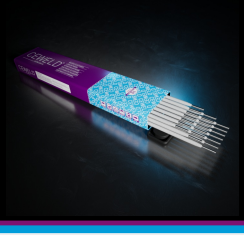


CEWELD 4462 Kb

certilas® THE FILLER METAL SPECIALIST

TYPE

High basic electrode for welding duplex stainless steels

TOEPASSINGEN

Used for pipe work and general fabrication in the offshore oil and gas and chemical process industries. Also suitable for cladding steels to obtain corrosion resistant layers..

EIGENSCHAPPEN

A high basic electrode for welding austenitic-ferritic stainless alloys of the 22% Cr, 5% Ni, 3% Mo types. CEWELD® 4462 Kb has high general corrosion resistance. In media containing chloride and hydrogen sulphide, the alloy has a high resistance to intergranular corrosion, pitting and especially to stress corrosion. The alloy is used in a variety of applications across all industrial segments.

CLASSIFICATIE

AWS	A 5.4: E 2209-15
EN ISO	3581-A: E 22 9 3 N L B 22
W.Nr.	1.4462
F-nr	5
FM	5

GESCHIKT VOOR

ISO 15608: 10.1-10.2 Austenitic > 24 % Cr ≤ 4% Ni, DUPLEX 2209, 22%Cr 9%Ni 3%Mo
1.4417, 1.4462, 1.4362, 1.4162, 1.4463, 1.4460, 1.4583
X 2 CrNiMoSi 19 5, X 2 CrNiN 23 4, X 2 CrNiMoN 22 5 3, X10CrNiMoNb18-12
316LN, 318LN
UNS S31803, S32205, S32304
SAF 2205 Fafer 4462, NKCr22, SM22Cr, Falc 223 UR 45N & UR 45N+, 2101, 2205, UR 35 N SAF 2304
mix 1.4462 X2CrNiMoN22-5-3 mit P235GH/ P265GH, S255N, P295GH, S355N, 16Mo3

GOEDKEURINGEN

CE

LASPOSITIES

TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Si	Mn	P	S	Cr	Ni	Mo	N
0.02	0.8	1.1	0.02	0.015	22.5	9.5	3.5	0.18

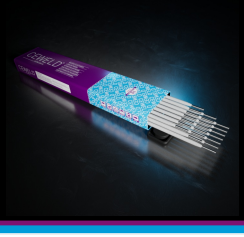
MECHANISCHE WAARDEN

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness
				RT	-50°C	
As Welded	620	750	25	95	70	HRc

HERDROGEN

Not required

GAS ACC. EN ISO 14175



CEWELD 4462 Kb

4462 KB 2,5 X 300MM

Packaging	KG/unit	EanCode
Can	2,5	8720663424358

4462 KB 3,2 X 350MM

Packaging	KG/unit	EanCode
Can	2,8	8720663413147