



CEWELD 4462 Ti

TYPE	Rutile basic electrode for welding duplex stainless steels								
APPLICATIONS	CEWELD® 4462 Ti are 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..								
PROPERTIES	CEWELD® 4462 Ti is a rutile basic electrode for welding austenitic-ferritic stainless alloys of the 22% Cr, 5% Ni, 3% Mo types. 2209 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.								
CLASSIFICATION	AWS	A 5.4: E 2209-17							
	EN ISO	3581-A: E 22 9 3 N L R 12							
	W.Nr.	1.4462							
	F-nr	5							
	FM	5							
SUITABLE FOR	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								
APPROVALS	CE								
WELDING POSITIONS	PAPBPCPDPEPF								
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Si	Mn	P	S	Cr	Ni	Mo	N
	0.015	0.8	1.1	0.02	0.015	22.5	9.5	3.8	0.15
MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V			Hardness	
					RT				
	As Welded	610	700	26	55			HRc	
REDRYING	300°C / 2 hr								
GAS ACC. EN ISO 14175									



CEWELD 4462 Ti

4462 Ti 2,5 X 300MM

Packaging	KG/unit	EanCode
Can	2,5	8720663413123

4462 Ti 3,2 X 350MM

Packaging	KG/unit	EanCode
Can	2,8	8720663413130

4462 Ti 4,0 X 350MM

Packaging	KG/unit	EanCode
Can	2,8	8720663413154

4462 Ti 5,0 X 450MM

Packaging	KG/unit	EanCode
Can	3,2	8720663413161