



# CEWELD AA 2209Pi

**TYPE** Rutile fluxcored wire for welding duplex stainless steels with improved impact properties. (Type 2209, 1.4462)

**APPLICATIONS** Duplex stainless steels in chemical industry such as offshore, tubing, vessel, boilers etc

**PROPERTIES** Smooth drop transfer and stable arc with no spatter losses. High productivity and weldability, better wetting properties compared to solid wires. Ductile weld metal quality and X-ray soundness with easy slag removal and ferrite level between 30 and 50 (FN). Excellent for use in position and down hand welding. Excellent against pitting and stress corrosion. The PRE typical value of 36.1 stimulates outstanding impact properties at sub zero temperatures.

**CLASSIFICATION**

AWS	A 5.22: E2209T1-4
EN ISO	17633-A: T 22 9 3 N L P M21 2
W.Nr.	1.4462
F-nr	6
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**

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

C	Si	Mn	P	S	Cr	Ni	Mo	N	PREN
0.03	0.55	0.85	0.015	0.003	22.5	9.5	3.5	0.15	36

**MECHANICAL PROPERTIES**

Heat Treatment	R <sub>P0.2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Impact Energy (J) ISO-V		Hardness
				0°C	-60°C	
As Welded	612	815	29	80	65	HRc

**REDRYING** 140°C / 24 hr

**GAS ACC. EN ISO 14175** M21