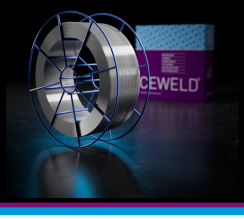


CEWELD 2209 Duplex

certilas® THE FILLER METAL SPECIALIST

TYPE

Duplex 2209 stainless steels welding wire. Type (Type 2209, 1.4462)

APPLICATIONS

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

A continuous, solid, corrosion-resistant, duplex wire for welding austenitic-ferritic stainless alloys of the 22% Cr, 5% Ni, 3% Mo types. CEWELD 2209 Duplex 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 5.9: ER2209
EN ISO	14343-A: G 22 9 3 N L
F-nr	6
FM	5
W.Nr.	1.4462

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

TÜV (12397.00) CE

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	Cr	Ni	Mo	N
0.02	0.5	1.6	23	9	3	0.14

ALL WELD MECHANICAL PROPERTIES

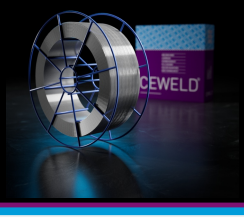
Heat Treatment	$R_{P0,2}$ MPa	Rm MPa	A5 (%)	Impact Energy (J) ISO-V RT	Impact Energy (J) ISO-V -60°C
As Welded /	625	780	26	130	85

REDRYING TEMPERATURE

Not required

GAS ACCORDING EN 14175

M13, M12



CEWELD 2209 Duplex

certilas® THE FILLER METAL SPECIALIST

2209 DUPLEX 0,8MM

Type	KG/unit	EANCode
BS-300	15	8720663414496
D-100	1	8720663414489

2209 DUPLEX 1,0MM

Type	KG/unit	EANCode
BS-300	15	8720663414502
D-100	1	8720663414519

2209 DUPLEX 1,2MM

Type	KG/unit	EANCode
BS-300	15	8720663414526
D-200	5	8720663414533