

Superflux 209 X YS-2209

SMW

SAW

GMW

GTAW

FCW

Non-FERROUS

APPENDIX

Conformances

EN ISO 14174-S A AF 2
KR AWS A5.9 ER2209 [Wire]
ABS AWS A5.9 ER2209 [Wire]
DNV Duplex Stainless Steel
NK Manufacturer's Spec.

Applications

- Offshore
- Petrochemical
- Chemical industry

Features

- Approximate 50:50 microstructure of austenite with a ferrite matrix
- Density : 1.0g/cm³

Current

AC, DC +

Basicity Index

1.8

Packages (Flux)

Tin Can 20kg(44lbs)
PE Bag 20kg(44lbs)

Flux Composition

Consumable	Chemical Composition, wt%		
	SiO ₂ + TiO ₂	Al ₂ O ₃	CaF ₂
Superflux 209	10	40	50

Typical Chemical Composition of All-Weld Metal(%)

C	Si	Mn	P	S	Cr	Ni	Mo	Cu	N
0.02	0.49	1.28	0.017	0.003	22.8	8.15	2.99	0.20	0.20

Typical Mechanical Properties of All-Weld Metal

TS MPa(lbs/in ²)	EL (%)	Temp °C(°F)	CVN-Impact Value J (ft-lbs)
805 (116,800)	28	-46 (-50)	70 (52)