# **CEWELD®**

## AA 2101 Lean Duplex

CATEGORY	FCAW Flux-Cored						
TYPE	Rutile fluxcored wire for welding lean duplex stainless steel						
APPLICATIONS	Very well suited for the chemical industries (e.g. bio fuel), the pulp and paper industry and also the food industry.						
PROPERTIES	AA 2101 has excelent welding properties and was developed especially for the steel grade $1.4162/UNS\ S$ 32101. Due to the higher Mn and N – content of the Lean duplex base material, the slag viscosity and therefore the flow behaviour is changing and the welding bead is liquid for a longer time. The result is a very smooth seam.						
CLASSIFICATION	AWS A 5.22: E2209 T0-G EN ISO 17633: T Z 24 9 N L R M(C) 3 DIN: W.Nr. 1.4162 DIN 8556: ~ 24 9 N L						
SUITABLE FOR	Lean duplex stainless steel EN 1.4162 / ASTM 32101 grade such as LDX2101® (Avesta)						
APPROVALS	CE approved						
WELDING POSITIONS:	PA PB PC PC PP PF						

### WELD DEPOSIT WEIGHT % (M21)

С	Mn	Si	Cr	Ni	N	Р	S
0.025	1.45	0.65	24.5	8.4	0.13	0.017	0.003

#### TYPICAL WELD METAL PROPERTIES (M21)

Heat	R <sub>P0,2</sub>	Rm	A5	lmpact Energy (J) ISO-V			Hardness
Treatment	(N/mm <sup>2</sup> )	(N/mm <sup>2</sup> )	(%)	+20°C	-40°C	-60°C	HRc / HV
AW	590	750	29	50			

#### AW: as welded

#### WELDING PARAMETERS / PACKING

Welding Parameters					Packing		
D (mm)		Voltage (V)	Current (A) DC+		spool type	kg / spool	kg / pallet
1.2			130-250		S-300	12.5	

REDRYING TEMPERATURE 150°C / 24hr

PROTECTIVE GAS Co2 / Argon-Co2