



# CEWELD AA B550

**TYPE** Basic seamless micro alloyed flux cored welding wire

**APPLICATIONS** Vessel and apparatus construction, offshore, lifting, drilling platforms etc.

**PROPERTIES** AA B550 is a seamless high basic flux cored wire for extreme requirements at sub zero temperatures down to -60 °C. Excellent welding properties. Yield strength > 550 MPa. Low hydrogen content HD< 3 ml/100g even after long storage.

**CLASSIFICATION**

AWS	A 5.29: E80T5-K1M-J H4
EN ISO	18276-A: T 55 6 1NiMo B M21 1 H5
F-nr	6
FM	2

**SUITABLE FOR** **Typical for: Reh ≤ 550 MPa ISO 15608: 1.2, 1.3, 2.1, 2.2, 3.1**  
 1.8905 , 1.8907, 1.8937 , 1.8915, 1.8917, 1.8944 , 1.8954, 1.6780, 1.8817, 1.6368, 1.8807  
 15NiCuMoNb5, 17MnMoV53, WB36, 20MnMoNi4-5, WB35, BHW 35 , BHW 38, X42, X60, X80  
 StE 460, StE 500, WStE 500 , TStE 460, TStE 500, NAXTRA 56 , NAXTRA 63

**APPROVALS**

**WELDING POSITIONS**



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

C	Si	Mn	P	S	Ni	Mo
0.05	0.4	1.2	0.015	0.015	1	0.3

**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
				-60°C	-40°C	
As Welded	580	720	20	80	100	HRc
570°C- 620°C 1h	680	550	25	65	50	HRc

**REDRYING** Not required

**GAS ACC. EN ISO 14175** M21