



# CEWELD SACW Mo

**TYPE** Seamless copper coated wire Type P1

**APPLICATIONS** SA CW Mo is a cored wire for 0.5%Mo steels, i.e. P1. These steels are commonly used at service temperatures up to 500 °C and for some sub-zero structural applications.

**PROPERTIES** The 0.5% alloying improves creep performance compared to CMn steels and sees the alloy being used for boiler, pressure vessel and piping construction. Typical with FL 155 Flux or FL 160

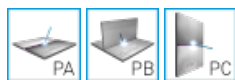
**CLASSIFICATION**

AWS	A 5.23: F8A4-ECA1
EN ISO	24598-A: S T Mo FB
F-nr	6
FM	4

**SUITABLE FOR** S355J0, E335, P285NH, P310GH, S355J0Cu, 16Mo3, P315N - S420N, P315NH - P420NH fine grain structural steels up to S460N/P460N, large-diameter pipes up to L485MB

**APPROVALS**

**WELDING POSITIONS**



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

C	Si	Mn	P	S	Mo
0.1	0.2	0.09	0.02	0.02	0.5

**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
				-20°C	-40°C	
675°C- 705°C 1h	490	570	24	120	80	HRc

**REDRYING** Not required

**GAS ACC.** EN ISO 14175