CEWFI D®

AquaForce LC

CATEGORY SMAW Stick Electrodes

TYPE The ultimate under water welding electrode with extreme low carbon content.

APPLICATIONS Welding standard ship steel grades A, B & D in submerged conditions in case standard well known underwater

electrodes fail to offer proper strength exceeding the requirements for AWS D3.6M-99 class 'A'.

PROPERTIES AquaForce LC is the first electrode that was developed with "Hydrophobic sand" to offer the best possible

> moisture resistance. This thick coated electrode is also developed to offer best possible performance in all positions including PC, PE and PG position down to 55 meter of water depth. The special analysis of this electrode (extreme low carbon) was chosen to avoid loss in strength due to the high cooling rate (T8-5) when

> > 1.0035 to 1.0570

1.0308 to 1.0581

1.0307 to 1.0582

1.0416 to 1.0551

1.0345, 1.0425, 1.0481

1.0440, 1.0472, 1.0475

welding submerged.

AWS CLASSIFICATION A 5.1: E 6013

> EN ISO 2560-A: E 42 0 RC 11 DIN 1913: E 51 32 RR(C)5

SUITABLE FOR DIN: W.Nr.:

St 33 to St 52.3 Unalloyed steels: HI, HII, 17 Mn4 Boiler plates: Pipe steels: St 35 to St 52.4

StE 210.7 to StE 360.7

Shipbilding plates: A, B, D

GS-38 to GS-52 Steel castings: Thin sheets: 1623/1

APPROVALS CE approved

WELDING POSITIONS:



ALL WELD METAL ANALYSIS

С	Mn	Si	Р	i i	S	
<0,03	0.5	0,35	< 0.025	Ē	<0.025	

MECHANICAL PROPERTIES (TYPICAL AT 6 MTR. DEPTH)

Heat	RP0,2	Rm	A5		Impact Energy (J)	ISO-V	Hardness
Treatment	(N/mm2)	(N/mm2)	(%)	0°C	-20°C	-40°C	HV
AW	>400	480-590	>14	>47	>27		160-240

AW: as welded

WELDING PARAMETERS / PACKING

	Welding Parameter	S	Packing				
D (mm)	Length (mm)	Current (A)	kg / can	pcs / pa	ck	kg / 6 pack	
3.2	350	150-190	2.4	75		14.4	
4.0	350	165-215	2.5	47		15.0	

REDRYING TEMPERATURE not required