CEWELD S2

certilas® THE FILLER METAL SPECIALIST

TYPE	Solid wire for submerged arc welding up to 420 MPa yield strength structural steels.
APPLICATIONS	Shipbuilding, piping, root welding, bridges, repair, construction, offshore, etc...
PROPERTIES	Solid drawn and rolled SAW wire with copper coating for improved current carrying capacity. S2 wire can be used with FL 180, FL188, FL 155 and FL 851 depending on the requirements and application. Approvals in combination with FL 188

CLASSIFICATION

AWS	A 5.17: EM12K, A 5.23: EM12K
EN ISO	14171-A: S2
W.Nr.	1.0494
F-nr	6
FM	1

SUITABLE FOR

A, B, D, E, St 37 - St 52-3, DIN 17 100, H I, H II, 17Mn4, 16Mo5, DIN 17 155, StE 255 - StE 355, DIN 17 102, GS-38, GS-60, DIN 1681, St 35.8, St 45.8, DIN 17 175, St 37.0 - St 52.0, DIN 1626 / 1629, St 37.4 - St 52.4, DIN 1628 / 1630, StE 290.7 TM - StE 360.7 TM, DIN 17 172, X 52

APPROVALS

TÜV: 12523, CE, Lloyds, DNV

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	P	S
0.1	0.12	1.1	0.015	0.015

MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V -30°C	Hardness
As Welded	445	560	24	60	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175

CEWELD S2

S2 1,6MM

Packaging	KG/unit	EanCode
K-415	27	8720663404350

S2 2,0MM

Packaging	KG/unit	EanCode
Drum	320	8720663404374
Drum	450	8720663404381
K-415	27	8720663404367

S2 2,4MM

Packaging	KG/unit	EanCode
K-415	27	8720663404404
Drum	300	8720663404411

S2 3,2MM

Packaging	KG/unit	EanCode
K-415	27	8720663404428
Drum	300	8720663404435

S2 4,0MM

Packaging	KG/unit	EanCode
K-415	27	8720663404459
Drum	300	8720663404473