



SKL WELDING CONSUMABLE CERTIFICATE

Certificate No.: BK1795072-A-X

Port of: BUSAN, KOREA

Date: 29 JUNE 2010

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF ESAB SeAH CORP., ATTEND THEIR PLANT AT CHANGWON, KOREA, ON THE 22ND DAY OF FEBRUARY 2010, AND ON SUBSEQUENT DATES, IN ORDER TO CARRY OUT A PLANT SURVEY OF FACILITIES AND ASSOCIATED QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES AND TO WITNESS AND REPORT ON THE ANNUAL APPROVAL TESTING OF WELDING CONSUMABLES; AND,

THAT THE FACILITY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT, AND THAT EACH WELDING CONSUMABLE LISTED BELOW WAS FOUND IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE WIRE-GAS SECTION:

<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
Dual Shield 7100	ABS	2YSA, H10	75%Ar, 25% CO2	ALL	DCEP	1.2-1.6MM
SMP 71T	ABS	2YSA, H10	CO2	ALL, V-Down	DCEP	1.2-1.6MM
Dual Shield 7100 Ultra	ABS	3YSA, H10	CO2	ALL, V-Down	DCEP	1.2-1.6MM
Dual Shield 7100 Ultra	ABS	3YSA, H10	75%Ar, 25% CO2	ALL, V-Down	DCEP	1.2-1.6MM
OK 15.14A	ABS	3YSA, H10	CO2	ALL, V-Down	DCEP	1.2-1.6MM
OK 15.14A	ABS	3YSA, H10	75%Ar, 25% CO2	ALL, V-Down	DCEP	1.2-1.6MM
Dual Shield R-70	ABS	3YSA, H10	CO2	F	DCEP	1.2-2.4MM
Dual Shield 7100S	ABS	2YSA, H10	CO2	ALL, V-Down	DCEP	1.2-1.4MM
Dual Shield 8100W	ABS	3YSA, H10	CO2	ALL, V-Down	DCEP	1.2-1.6MM
Manufacturer's Guaranteed CVN 47J at -30°C						
Dual Shield II 70 Ultra	ABS	3YSA, H5	75%Ar, 25% CO2	ALL	DCEP	0.9-1.6MM
Dual Shield T-115	AWS, A5.29-98	E110T5-K4M	75%Ar, 25% CO2	ALL	DCEP	1.2-1.6MM
Dual Shield II 71 Ultra	ABS	3Y400SA, H10	CO2	ALL, V-Down	DCEP	0.9-1.6MM
Coreweld 111RB	ABS	2YSA, H10	CO2	ALL, V-Down	DCEP	1.2-1.6MM

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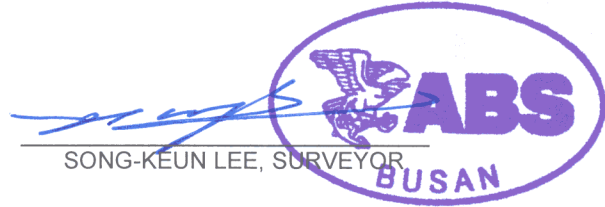
Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

TRADE NAME	SPECIFICATION	GRADE OR CLASS	SHIELDING GAS	POSITION	CURRENT POLARITY	SIZE
Coreweld 111 Ultra	ABS	3YSA, H10	CO2	F	DCEP	1.2-1.6MM
Coreweld Ultra	ABS	3YSA, H15	75% Ar, 25% CO2	ALL, V-Down	DCEP	1.2-1.6MM
Coreweld Ultra	ABS	3YSA, H10	CO2	ALL, V-Down	DCEP	1.2-1.6MM
Dual Shield II 81-K2LH	ABS	4YSA, H5	75% Ar, 25% CO2	ALL, V-DOWN	DCEP	1.2-1.6MM
Dual Shield II 81-K2LH	ABS	4YSA, H5	CO2	ALL, V-DOWN	DCEP	1.2-1.6MM
Manufacturer's Guaranteed CVN 47J at -60°C						
Dual Shield II 81-K2	ABS	4Y400SA, H5	CO2	ALL, V-Down	DCEP	1.2-1.6MM
Manufacturer's Guaranteed CVN 47J at -60°C						
Coreweld 80-K2	ABS	4Y400SA, H10	CO2	F, H	DCEP	1.2-1.6MM
Manufacturer's Guaranteed CVN 47J at -60°C						
Coreweld 70	AWS, A5.18-93	E70C-6M	75%Ar 25%CO2	ALL	DCEP	0.9-1.6MM
Dual Shield 70Ultra Plus	ABS	3YSA, H10	90% Ar, 10% CO2	ALL	DCEP	1.2-1.6MM
Dual Shield T-5	ABS	3YSA, H10	75% Ar, 25% CO2	ALL, V-DOWN	DC	1.2-1.6MM
Dual Shield II 110	AWS A5.29-98	E110T1-K3M	75% Ar, 25% CO2	ALL	DCEP	1.2-1.6MM
Dual Shield 7100SR	ABS	4YSA, H5	CO2	ALL, V-DOWN	DCEP	1.2-1.6MM
Dual Shield II 71HI	ABS	4YSA, H5	CO2	ALL, V-DOWN	DCEP	1.2-1.6MM
Dual Shield 9100	AWS, A5.29-98	E91T1-G	CO2	ALL	DCEP	1.2-1.6MM
Manufacturer's Guaranteed Y.P. Min. 540N/mm2, T.S. 620 ~ 760 N/mm2, E.L. Min.17%						
Dual Shield II 101-TC	AWS A5.29-98	E91T1-K2	CO2	ALL	DCEP	1.2-1.6MM
Manufacturer's Guaranteed Y.P. Min. 540N/mm2, T.S. 620 ~ 760 N/mm2, E.L. Min.17%						
Coreweld 111RB	ABS	3YA, H10	CO2	F	DCEP	1.2-2.4MM
Suitable for use with automatic tandem welding only.						
Coreweld 111 Ultra (Tandem)	ABS	3YA, H10	CO2	F	DCEP	1.2-2.0MM
Coreweld 80-K2	ABS	4Y400A, H10	CO2	F	DCEP	1.2-1.6MM
Manufacturer's Guaranteed CVN 41J at -60°C						
Shield-Bright 308L	AWS A5.22-95	E308LT1-1	CO2	ALL	DCEP	1.2-1.6MM
Shield-Bright 309L	AWS A5.22-95	E309LT1-1	CO2	ALL	DCEP	1.2-1.6MM
Shield-Bright 316L	AWS A5.22-95	E316LT1-1	CO2	ALL	DCEP	1.2-1.6MM
Shield-Bright 308L X-tra	AWS A5.22-95	E308LT0-1	CO2	F, H	DCEP	1.2-1.6MM
Shield-Bright 309L X-tra	AWS A5.22-95	E309LT0-1	CO2	F, H	DCEP	1.2-1.6MM
Shield-Bright 316L X-tra	AWS A5.22-95	E316LT0-1	CO2	F, H	DCEP	1.2-1.6MM
Shield-Bright 2209	AWS A5.22-95	E2209T1-1	CO2	ALL	DCEP	1.2-1.6MM

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<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT POLARITY</u>	<u>SIZE</u>
SMP-T309L	AWS A5.9-93	ER309L	Ar	ALL, V-DOWN	DC	1.6-4.0MM
SMP-T316L	AWS A5.9-93	ER316L	-	-	-	1.6-4.0MM
SMP-T316	AWS A5.9-93	ER316	-	-	-	1.6-4.0MM
TC-T800	AWS A5.7-84R	ERCuNi	-	-	-	1.6-4.0MM
NCU-T70R	AWS A5.14-97	ERNiCu-7	-	-	-	1.6-4.0MM



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