

**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF  
MATERIALS**

**No. FAB030008XT**



**This is to certify** that the manufacture of the product identified below is in compliance with the applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

<i>Description</i>	<b>Normal strenght and higher strenght structural steel plates</b>
<i>Type</i>	<b>Grades</b>
<i>Manufacturer</i>	<b>A-B-D-E-AH32-DH32-EH32-FH32-AH36-DH36-EH36-FH36</b>
<i>Place of manufacture</i>	<b>EREGLI DEMIR VE CELIK FABRIKALARI T.A.S. UZUNKUM NO.7, KARADENIZ EREGLI ZONGULDAK TURKEY</b>
<i>Reference standards</i>	<b>RINA Rules for the approval of manufacturers of materials</b>

*Issued in* **Istanbul** on **November 24, 2008**. *This Certificate is valid until* **November 23, 2013**



RINA

*P. Milie*



This certificate consists of this page and 1 enclosure

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Enclosure - Page 1 of 1

Grades **A-B-D-E-AH32-DH32-EH32-FH32-AH36-DH36-EH36-FH36**

**APPROVAL CONDITIONS**

**Steel making :** BOC Basic Oxygen converter

**Casting process:** CC Continuous casting

**Deoxidation practice, condition of supply and thickness:** see attached table

**Survey conditions:** the plates are to be in compliance in all respects with the relevant RINA rules and are to be tested accordingly.

**General conditions for the approval**

-The approval is granted on condition that the RINA Rules for the approval, manufacture, testing and certification of materials are complied with in all respects.

-RINA is to be notified of any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate.

**Istanbul 24/11/2008**

**Attachment to certificate FAB030008XT**

GRADE	ERDEMİR STEEL GRADE	STEEL MAKIN G	DEOXIDATIO N PRACTICE	CONDITION OF SUPPLY (1)	THICKNES S
A (PLATE)	3701	BOC,CC	Al+Si	AR	5.00 - 60.00
B (PLATE)	3702	BOC,CC	Al+Si	AR	5.00 - 60.00
D (PLATE)	6704	BOC,CC	Al+Si	CR	5.00 - 7.99
				N	8.00 - 60.00
E (PLATE)	6705	BOC,CC	Al+Si	N	8.00 - 60.00
AH32 (PLATE)	3732	BOC,CC	Al+Si&Nb	CR	5.00 - 60.00
DH32 (PLATE)	4732	BOC,CC	Al+Si&Nb	CR	5.00 - 7.99
				N	8.00 - 60.00
EH32 (PLATE)	5732	BOC,CC	Al+Si&Nb	N	8.00 - 60.00
FH32 (PLATE)	6732	BOC,CC	Al+Si&Nb	N	8.00 - 60.00
AH36 (PLATE)	3736	BOC,CC	Al+Si&Nb	CR	5.00 - 60.00
DH36 (PLATE)	4736	BOC,CC	Al+Si&Nb	CR	5.00 - 7.99
				N	8.00 - 60.00
EH36 (PLATE)	5736	BOC,CC	Al+Si&Nb	N	8.00 - 60.00
FH36 (PLATE)	6736	BOC,CC	Al+Si&Nb	N	8.00 - 60.00
A (COIL+PLATE FROM COIL)	3701	BOC,CC	Al+Si	CR	2.50 - 15.00
B (COIL+PLATE FROM COIL)	3702	BOC,CC	Al+Si	CR	2.50 - 15.00
D (COIL+PLATE FROM COIL)	6704	BOC,CC	Al+Si	CR	2.50 - 7.99
				N	8.00 - 15.00
E (COIL+PLATE FROM COIL)	6705	BOC,CC	Al+Si	N	5.00 - 15.00
AH32 (COIL+PLATE FROM COIL)	3732	BOC,CC	Al+Si&Nb	CR	2.50 - 15.00
DH32 (COIL+PLATE FROM COIL)	4732	BOC,CC	Al+Si&Nb	CR	2.50 - 7.99
				N	8.00 - 15.00
EH32 (COIL+PLATE FROM COIL)	5732	BOC,CC	Al+Si&Nb	N	8.00 - 15.00
FH32 (COIL+PLATE FROM COIL)	6732	BOC,CC	Al+Si&Nb	N	8.00 - 15.00
AH36 (COIL+PLATE FROM COIL)	3736	BOC,CC	Al+Si&Nb	CR	2.50 - 15.00
DH36 (COIL+PLATE FROM COIL)	4736	BOC,CC	Al+Si&Nb	CR	2.50 - 7.99
				N	8.00 - 15.00
EH36 (COIL+PLATE FROM COIL)	5736	BOC,CC	Al+Si&Nb	N	8.00 - 15.00
FH36 (COIL+PLATE FROM COIL)	6736	BOC,CC	Al+Si&Nb	N	8.00 - 15.00

**(1) AR: as rolled - CR: control rolling - N: normalized**