

Certificate

Conformity of factory production control

pursuant to Regulation (EU) No. 305/2011: System 2+

No. of Certificate: **0035-CPR-C740**

According to Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011 (Construction Products Regulation - CPR), this Certificate applies to the construction product stated below:

Scope of application:

Welding consumable (filler metals and fluxes)
for fusion welding of metallic materials intended to be used in metal structures or metal/concrete composite structures:

Covered electrode	DE / SS / SD / UP	FDE	SAW flux
EN ISO 2560-A	EN ISO14343-A	EN ISO17632-A	EN ISO 14174
EN ISO 3581-A	EN ISO 636-A	EN ISO17633-A	
	EN ISO 14171-A		

DE = filler wire / SS = filler rod / SD = filler wire / UP = SAW filler wire / FDE = Tubular cored electrode

Name and address of the manufacturer:

Tien Tai Electrode (Kunshan) Co., Ltd.
No. 189, Huayuan Road, Zhangpu Town, Kunshan City,
Jiangsu Province 215321 - PR China

Factory:
Manufacturing premises

No. 189, Huayuan Road, Zhangpu Town, Kunshan City,
Jiangsu Province 215321 - PR China

Specified requirements:

This document is to certify that all the regulations governing the assessment and verification of constancy of performance as detailed in Annex ZA of the harmonized standard

EN 13479:2004

are applied under System 2+ and that the factory production control meets all the requirements described therein.

Period of validity:

This Certificate, first issued on **May 27, 2011** will be valid as long as the methods of testing and/or requirements for factory production control, for assessment of performance of stated characteristics which are referred to in the harmonized standard remain unchanged and as long as minor changes only will be made with regard to the product and manufacturing conditions on site. It will expire on **May 31, 2020** at the latest.

Cologne, September 20, 2017
Rev.00

TÜV Rheinland Industrie Service GmbH
Notified Body for Construction Products
(NB 0035)
Am Grauen Stein, 51105 Köln, GERMANY
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Cherkowka
i.A. Dipl.-Ing. A. Makowka
Certification Body for Construction Products

CONFIRMATION

for welding consumable manufacturer

No.: 0035-CPR-C740-19

Name and address
of the manufacturer:

Tien Tai Electrode (Kunshan) Co., Ltd.
No. 189, Huayuan Road, Zhangpu Town, Kunshan City,
Jiangsu Province 215321, P.R.China

The following welding consumable products and/or the test data provided by the manufacturer have met the requirements for initial type testing described in EN 13479, section 7.2.

Type	Trade name	Classification	Size (mm)	Shielding gas (ISO 14175)
Filler wire/rod	MIG/TGS-308L	ISO 14343-A – GW 19 9 L	0.8 – 3.2	M12/I1
Filler wire/rod	MIG/TGS-309L	ISO 14343-A – GW 23 12 L	0.8 – 3.2	M12/I1
Filler wire	MIG-308LSi	ISO 14343-A – G 19 9 L Si	0.8 – 1.2	M12
Filler wire	MIG-309LSi	ISO 14343-A – G 23 12 L Si	0.8 – 1.2	M12
Filler rod	TIG-50	ISO 636-A – W 42 4 W3Si1	2.0 – 3.2	I1
Covered electrode	TS-308L	ISO 3581-A – E 19 9 L	2.6 – 5.0	--
Covered electrode	TS-309L	ISO 3581-A – E 23 12 L	2.6 – 5.0	--
Covered electrode	TL-507	ISO 2560-A – E 42 3 B 2 2	2.6 – 5.0	--
Tubular cored electrode	TFW-308L	ISO 17633-A – T 19 9 L P C1 2	1.2 – 1.6	C1
Tubular cored electrode	TFW-309L	ISO 17633-A – T 23 12 L P C1 2	1.2 – 1.6	C1
Tubular cored electrode	FabCO@308LT1	ISO 17633-A – T 19 9 L P C1/M21 2	1.2 - 1.6	C1
Tubular cored electrode	FabCO@309LT1	ISO 17633-A – T 23 12 L P C1/M21 2	1.2 - 1.6	C1
Tubular cored electrode	TWE-711	ISO 17632-A – T 42 2 P C1 1	1.2 – 1.6	C1
Tubular cored electrode	TWE-811Ni2	ISO 17632-A – T 46 4 2Ni P C1 2	1.2	C1
Tubular cored electrode	TM-70C	ISO 17632-A – T 42 2 P C1 3	1.2 – 1.6	C1
Tubular cored electrode	TWE-71G	ISO 17632-A – T 42 6 Z P C1 2 H5	1.2 – 1.6	C1
Tubular cored electrode	TWE-711Ni	ISO 17632-A – T 42 4 P C1 1 H5	1.2 – 1.6	C1
Tubular cored electrode	HOBART@711Ni	ISO 17632-A – T 42 4 P C1 1 H5	1.2 – 1.6	C1
Tubular cored electrode	TWE-81K2	ISO 17632-A – T 46 6 1.5Ni P C1 1 H5	1.2 – 1.6	C1
Tubular cored electrode	HOBART@811K2	ISO 17632-A – T 46 6 1.5Ni P C1 1 H5	1.2 – 1.6	C1
Tubular cored electrode	TWE-911Ni2	ISO 17632-A – T 50 4 2Ni P C1 1 H5	1.2 – 1.6	C1
SAW wire	TSW-12KHG	ISO 14171-A-SZ4Ni	2.4 – 5.0	--
SAW wire/flux Comb.	TSW-12KHG / TF-210	ISO 14171-A-S 42 6 FB SZ H5	2.4 – 5.0	--
SAW wire	TSW-14H	ISO 14171-A-S4	2.4 – 5.0	--
SAW wire/flux Comb.	TSW-14H / TF-560	ISO 14171-A-S 42 4 FB S4 H5	2.4 – 5.0	--
Tubular cored electrode	TWE-110K3	ISO 18276-A – T 69 4 Mn2NiMo B C1 1	1.2	C1



The notified body has performed the continuous surveillance, assessment and approval of the factory production control according to the requirements described in Annex ZA of the standard EN 13479:2017. The manufacturer is entitled to affix the CE marking to the above-mentioned welding consumables, including the following symbol:



The next surveillance of the factory production control is due by end of **June 2020**.



Shanghai, May 20, 2019
Place, date

Certification Body for Construction Products



Dipl.-Ing. Michael Xu

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