



TÜVRheinland®

CERTIFICATE

of factory production control

No. 0035 – CPD – C907

In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product welding consumable

Filler material **Filler wire EN ISO 14341**

Distribution **Welding consumables brand TYSWELD**

by the company **TIS Tomasz Aniol**
ul. Blonia 5
PL-39-220 Pilzno

is submitted by the manufacturer to the initial type-testing of the product and a factory production control and that the approved body – TÜV Rheinland Industrie Service GmbH - has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control. This certificate attests that all provisions concerning the attestation of factory production control described in the standard

EN 13479, Annex ZA

were applied. This certificate was first issued on 2007-07-26 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Valid until July 2013

Cologne, 2010-03-08
Revision 00

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Bereich Energiesysteme und Automation
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Stempel

Certification Body for Welding Consumables
Notified Body No. 0035

I. A. H. Schmidt

Dipl.-Ing. F.J. Steinborn

Zulassungsbescheinigung

Certificate of Approval



Bescheinigungs-Nr.
Certificate no.

WF 1260158 HH

Wiederholungsprüfung von Schweißzusätzen und -hilfsstoffen

Repeat Test of Welding Consumables

Elektroden/Draht-Hersteller/Lieferer:
Elektrode/Wire-Manufacturer/Supplier:

"TIS" Tomasz Aniol

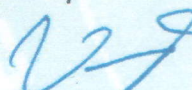
Stabelektrode / Schweißdraht <i>Electrode / Wire</i>	Schweißpulver / Schutzgas <i>Welding flux / Shielding gas</i>	Gütegrad / Zusatzzeichen * <i>Grade / Suffix</i>
Fülldraht-Gas-Kombinationen <i>Cored-Wire-Electrode-Gas-Combinations</i> TYSWELD E71T-1	CO2	3YH10S

Prüfdatum: 04/2012
Date of Test:
Hamburg, 2012-07-31

Diese Bescheinigung ist gültig bis: 04/2013
This certificate is valid until:

Bestandteil dieses Zertifikates ist das Anschreiben mit Tgb.-Nr. 080592-12
Part of this certificate is the letter with ref.-no.

Germanischer Lloyd


Hans-Joachim Vogt

* Bei Bezugnahme auf die Zulassung durch den Germanischen Lloyd (z.B. in Prospektangaben) sind Gütegrad, Zusatzzeichen und zugelassene Schweißpositionen anzugeben.
In References to the approval by Germanischer Lloyd (e.g. in catalogues), the grade, suffix notations and approved welding positions are to be indicated.

Hinsichtlich der Geltungsdauer, der Aufrechterhaltung bzw. der Verlängerung der Zulassung sowie bezüglich der Mitteilungspflicht bei evtl. Änderungen der Zulassungsvoraussetzungen gelten die Festlegungen der jeweils aktuellen Ausgabe unserer Schweißvorschriften. Eventuelle weitere Forderungen im Anschreiben zu dieser Zulassung sind zu beachten. Es gelten die allgemeinen Geschäftsbedingungen in ihrer jeweils letzten Fassung (siehe Kapitel 1 - Schiffstechnik, Teil 0 - Klassifikation und Besichtigungen). Germanischer Lloyd SE; Handelsregister Hamburg, HRB 115442.
Concerning the period of validity or the extension of approval and the duty to notify GL if the preconditions change under which approval was granted, the statements given in the Rules for Welding are to be observed. Additional requirements, if any, in the covering letter are to be observed. The latest edition of the General Terms and Conditions of Germanischer Lloyd is applicable (see Chap. 1 - Ship Technology, Part 0 - Classification and Surveys). Germanischer Lloyd SE; Registered Office Hamburg, HRB 115442.

CERTIFICATE OF APPROVAL OF WELDING
CONSUMABLE FOR SHIP CONSTRUCTION

This certificate is issued to the company named below. The welding consumable or combination described has been tested in accordance with the requirements of Lloyd's Register for use in ship construction. This approval is subject to annual tests being carried out in accordance with the requirements of Lloyd's Register. The continued validity of this approval will be confirmed by appropriately dated Annual Reapproval Certificates issued to the company.

Name of Company: *TIS TOMASZ ANIOL, POLAND*

Type of Welding Consumable: *Section 5 - Flux-Cored Wire/Gas Shield*

Trade Name: *TYSWELD E71T-1/CO₂*

Welding Position: *Downhand, horizontal-vertical, vertical upward and overhead only.*

Joint Type: *Butt and Fillet Welding.*

Grade: *3Y, suitable for welding steel Grade(s) EH36, EH32, EH275, E (and any corresponding strength grade(s) of lower toughness), using semi-automatic flux cored arc welding. (Approved also for automatic multirun welding in the downhand position only.)*

Remarks: *Approved low hydrogen consumable, conforming to standard H10.
Approved for wires of 1.2 - 1.6mm diameter only.*

Date: *28 March 2012*

Valid until: *28 March 2013*

J S Nirankari

Surveyor to Lloyd's Register EMEA

On behalf of Lloyd's Register Group



WELDING CONSUMABLE MARKETING CERTIFICATE

Certificate No.: GW2131349-X

Port of: GDYNIA, POLAND

Date: 3 APRIL 2012

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF MARKETING COMPANY TIS TOMASZ ANIOL, ATTEND THE FACILITY AT PILZNO, ON THE 3RD DAY OF APRIL 2012, IN ORDER TO CARRY OUT A SURVEY OF FACILITIES AND ASSOCIATED HANDLING/ STORAGE CONTROL PROCEDURES IN ACCORDANCE WITH ABS PROCESS FOR APPROVAL OF FIRMS MARKETING WELDING CONSUMABLES AND,

THAT THE FACILITY OF THE ELECTRODE MANUFACTURER SUPPLYING THE MARKETING COMPANY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT BASED ON CERTIFICATION TESTS WITNESSED BY ABS CONFIRMED AT THIS TIME, AND THAT EACH WELDING CONSUMABLE LISTED BELOW IS CONSIDERED 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>BRAND NAME (OEM)</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
TYSWELD E71T-1	ABS	3YSAH10	CO2	ALL	dcep	1.2-1.6 mm
TYSWELD SG2	ABS	3YSA	CO2	F	dcen	0.8-1.6 mm

Expiry date:
02 April 2013



MICHAL J LASKOWSKI, SURVEYOR

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.



DET NORSKE VERITAS

VERIFICATION STATEMENT

CERTIFICATE NO. W-23248

This is to verify that the
Flux Cored Wire/Gas combination

with trade name
TYSWELD E71T-1/C1

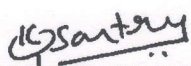
Distributed by
"TIS" Tomasz Anioł
Pilzno, Poland

is found to comply with
Det Norske Veritas' Rules for Classification PT.2

with this approval

Grade	III YMS(H10)
Current	DC(+)
Positions	All
Remarks	Also for fillet welding

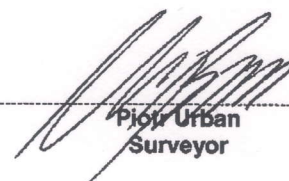
Høvik, 2011-05-25
for Det Norske Veritas AS


f Astrid Holmsen Kjesbu
Head of Section



DNV local office:
Katowice

This Statement is valid until
2015-06-30


Piotr Urban
Surveyor

This Verification Statement is valid provided the manufacturers approval is maintained.