产品简介 PRODUCTS INTRODUCTION

管道3PE/PP防腐加工 ANTI-CORROSION PROCESSING ABOUT PIPELINE 3PE/PP

标准 Standard:

外涂层:NF A49-710、DIN30670、CAN CSA 21、CAN CSA 20、SY/T0413、SY/T0315及其他国家相关钢管外防腐标准;
External coating Refer to: NF A49-710、DIN30670、CAN CSA 21、CAN CSA 20、SY/T0413、SY/T0315 and other country's external anti- corrosion standards;
内涂层:NF A49-709、API RP 5L2、SY/T0457及其他国家相关钢管内涂层标准;
Internal coating Refer to NF: A49-709、API RP 5L2、SY/T0457 and other country's internal anti-corrosion standards;

用途 Application:

外涂层主要用于油输送用管道埋地前的防腐保护;减阻内涂层主要起降低管线投资和运行维护成本。
The external coating is mainly used for anti-corrosion protection for liquid pipes before burying, and internal drag-reducing coating is mainly used to reduce the investment and maintenance costs.

钢管外防腐 Outer Corrosion Protection of Steel Pipes:

1、单层熔结环氧粉末防腐(FBE) Single-layer FBE Coating

环氧粉末涂层因其优良的防腐性、绝缘性和较长的使用寿命而成为目前先进的管道外防腐涂层之一。分普通型和加强型两种,厚度:普通型300~400μm;加强型400~500μm。

Characterized by excellent corrosion-proof performance, insulatibity and relatively long service life, epoxy powder coating is one of the most advanced outer anticorrosive coating of pipeline. There are normal type and strengthened type. Thickness: normal type: 300~400□m; strengthened type: 400~500□m.

2、双层熔结环氧粉末防腐(2FBE) Two-layer FBE Coating:

双层环氧粉末外涂层为复合涂层结构,由防腐型环氧粉末底层和抗机械损伤型环氧粉末面层一次喷涂成膜完成。分普通型和加强型两种,厚度:普通型总厚度≥620μm;加强型总厚度≥800μm。

Two-layer epoxy powder coating is a compound coating structure composed of anticorrosive epoxy powder floor layer and mechanical damage resistant epoxy powder surface layer. There are normal type and strengthened type. Thickness: Total Thickness of Normal Type: ≥620μm; Total Thickness of Strengthened Type: ≥800μm.

3、二层聚乙烯/聚丙烯防腐(2PE/2PP) Two-layer PE/PP Coating:

二层聚乙烯/聚丙烯层具有良好的防腐性、绝缘性、较长的使用寿命和一定的抗机械损伤性。分普通型和加强型两种,厚度根据钢管规格不同而有所变化:普通型最小厚度1.8mm;加强型最小厚度2.5mm。

Two-layer PE/PP coating is characterized by excellent corrosion-proof performance, insulatibity, relatively long service life and mechanical damage resistance. There are normal type and strengthened type. The thickness varies with the specification shift of steel pipe: Thickness Min. of Normal Type: 1.8mm; Thickness Min. of Strengthened Type: 2.5mm.

4、三层聚乙烯/聚丙烯防腐(3PE/3PP) Three-layer PE/3PP Coating:

三层聚乙烯/聚丙烯层是具有优良防腐性、绝缘性、较长的使用寿命和一定的抗机械损伤性的防腐层,已被广泛应用于各种大型管道工程的防腐中。分普通型和加强型两种,厚度根据钢管规格不同而有所变化:普通型最小厚度1.8mm;加强型最小厚度2.5mm。

Three-layer PE/PP coating is characterized by excellent corrosion-proof performance, insulatibity, relatively long service life and mechanical damage resistance. It is widely used in coating for all kinds of major pipeline engineering. There are normal type and strengthened type. The thickness varies with the specification shift of steel pipe: Thickness Min. of Normal Type: 1.8mm; Thickness Min. of Strengthened Type: 2.5mm.

钢管内防腐 Inner Corrosion Protection of Steel Pipes:

DN100-1500mm的钢质管道均可进行内防腐,采用离心喷涂铁红防锈漆或双组分液态环氧涂料,或由用户指定的其他涂料,对处理后的钢质管道内壁进行防腐加工。

We offer inside corrosion protection for DN100~700mm steel pipes. We coat inner wall of treated steel pipe with red oxide anticorrosive paint, bicomponent liquid epoxy paint or other paint designated by clients by means of Centrifugal coating.

产品简介 PRODUCTS INTRODUCTION

管道3PE/PP防腐加工 ANTI-CORROSION PROCESSING ABOUT PIPELINE 3PE/PP

3PE/PP防腐层性能The properties of anti-corrosion coating 3PE/PP:

项　目 Item	性能指标 Property index
剥离强度Peel Strength（N/cm） 20±5℃ 50±5℃	≥60 ≥40
阴极剥离Cathodic stripping（mm） （65℃，48h）	≤10
冲击强度Impact strength（J/mm）	≥5
抗弯曲Anti-bending（2.5°）	聚乙烯无开裂 Polyethylene without cracking

3PE/PP厚度 Thickness of 3 PE/PP:

钢管 Steel pipeDN	环氧厚度 Thickness of epoxy（μm）	胶粘剂 Adhesives（μm）	防腐层厚度 Thickness of coating（mm）		
Dn≤100	60-80	170-250	1	2	3
100<DN≤250			1.0	1.8	2.5
250<DN<500			1.2	2.0	2.5
500≤DN<800			1.5	2.2	3.0
Dn≥800			2.0	2.5	3.5
			2.2	3.0	3.5



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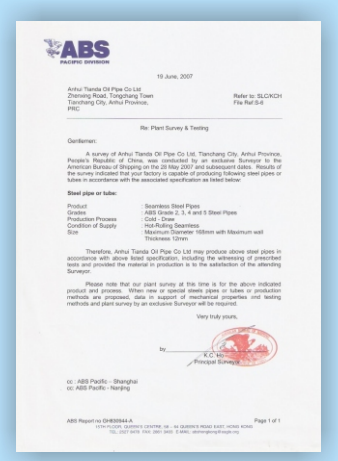
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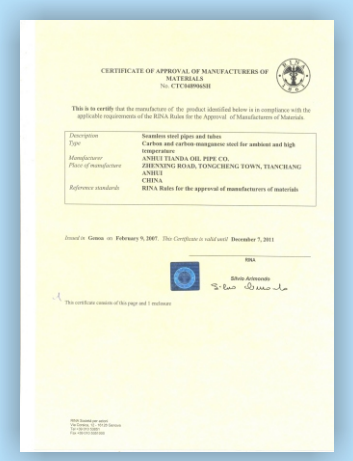
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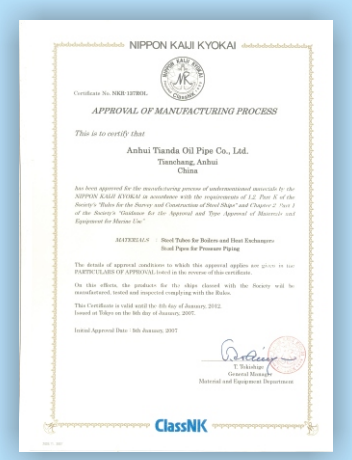
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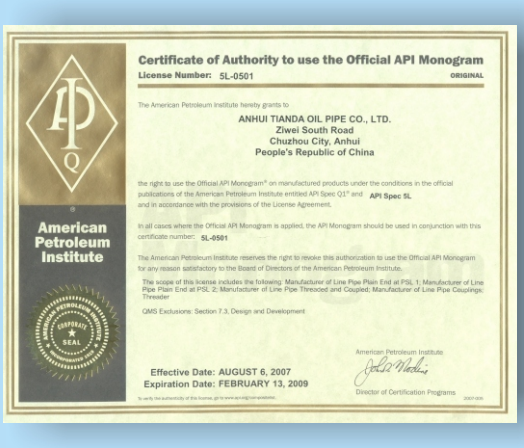
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CCS of Works Approval



日本海事协会证书
NK Certificate



韩国船级社KR认可证书
KR Certificate



Certificate of Authority to use the Official API Monogram

License Number: 5L-0501 ORIGINAL

The American Petroleum Institute hereby grants to

ANHUI TIANDA OIL PIPE CO., LTD.
Ziwei South Road
Chuzhou City, Anhui
People's Republic of China

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The scope of this license includes the following: Manufacture of Line Pipe Plain End at PSL 1; Manufacture of Line Pipe Plain End at PSL 2; Manufacture of Line Pipe Threaded and Coupled; Manufacture of Line Pipe Couplings; Threader

QMS Exclusions: Section 7.3, Design and Development

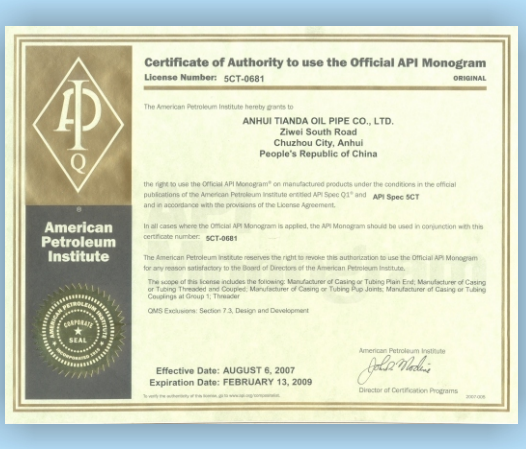
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Effective Date: AUGUST 6, 2007
Expiration Date: FEBRUARY 13, 2009

American Petroleum Institute

Director of Certification Programs

API证书
API Certificate (API 5L)



Certificate of Authority to use the Official API Monogram

License Number: 5CT-0681 ORIGINAL

The American Petroleum Institute hereby grants to

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The scope of this license includes the following: Manufacture of Casing or Tubing Plain End; Manufacture of Casing or Tubing Threaded and Coupled; Manufacture of Casing or Tubing Pup Joints; Manufacture of Casing or Tubing Couplings at Group 1; Threader

QMS Exclusions: Section 7.3, Design and Development

American Petroleum Institute

Effective Date: AUGUST 6, 2007
Expiration Date: FEBRUARY 13, 2009

American Petroleum Institute

Director of Certification Programs

API证书
API Certificate (API 5CT)



质量管理体系认证证书

证书编号：0106Q1946R2M/3400
兹证明
安徽天大石油管材股份有限公司
中国安徽省天长市铜城镇振兴路
建立的质量管理体系符合标准：
ISO9001:2000
通过认证范围如下：
碳钢无缝钢管、不锈钢无缝钢管、合金钢无缝钢管的制造
制造内容：设计和开发
发证日期：2006年8月17日　　有效期至：2009年8月16日

Signed by: Li huailin

中国质量认证中心
中国·北京·朝阳门外大街甲10号 100020
http://www.cqc.com.cn

ISO9001质量体系认证证书
ISO9001 Quality System Certiificate



中华人民共和国
特种设备制造许可证
Manufacture License of Special Equipment
People's Republic of China
（压力管道元件）
编号：TS2710844-2009

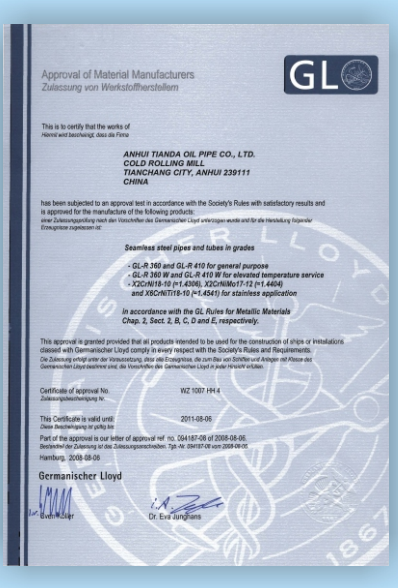
单位名称：安徽天大石油管材股份有限公司
制造地址：安徽省天长市铜城镇振兴路
经审查，获准从事下列压力管道元件的制造：

组别	产品	备注
第一组	无缝钢管（具体产品见明细表）	不锈钢材、管压

审批机关：国家质量监督检验检疫总局　　发证日期：2009年4月9日
有效期至：2009年2月25日　　变更日期：2006年7月26日

国家质量监督检验检疫总局制

特种设备制造许可证
Manufacture License of Special Equipment



Approval of Material Manufacturers
Zulassung von Werkstoffherstellern

GL

This is to certify that the works of
Hiermit wird bescheinigt, dass die Firma

ANHUI TIANDA OIL PIPE CO., LTD.
COLD ROLLING MILL
TIANCHANG CITY, ANHUI 239111
CHINA

has been subjected to an approval test in accordance with the Society's Rules with satisfactory results and is approved for the manufacture of the following products:

Seamless steel pipes and tubes in grades

- GL-R 360 and GL-R 410 for general purpose
- GL-R 360 W and GL-R 410 W for elevated temperature service
- X2CrNi18-10 (=1.4306), X2CrNiMo17-12 (=1.4404) and X6CrNiTi18-10 (=1.4541) for stainless application

In accordance with the GL Rules for Metallic Materials Chap. 2, Sect. 2, B, C, D and E, respectively.

This approval is granted provided that all products intended to be used for the construction of ships or installations classed with Germanischer Lloyd comply in every respect with the Society's Rules and Requirements.

Certificate of approval No. WZ 1007 HH 4
This Certificate is valid until 2011-08-06
Part of the approval is our letter of approval ref. no. 094187-09 of 2008-08-06.
Hamburg, 2008-08-06

Germanischer Lloyd

Dr. Eva Jungmans

欧盟承压设备指令PED证书
PED Certificate



实用新型专利证书

证书号　第638649号

实用新型名称：换热器用无缝钢管

设计人：张春祥,张成明

专利号：ZL 03 2 77615.2

专利申请日：2003年8月11日

专利权人：安徽天大企业集团天长市无缝钢管厂

授权公告日：2004年9月1日

专利号

局长 王景川

2004年10月6日

专利证书
Patent Certificate



会员证书
Membership Certificate

会员编号：BS0448305002
Membership No:
会员类型：电子采购
Membership Type:
会员名称：安徽天大石油管材股份有限公司
Member Name:
单位地址：安徽省天长市铜城镇振兴东路
Member Address:
负责人：叶世荣
Person in Charge:
经营范围：无缝钢管、油管、套管
Scope of Business:
联系人：杨登峰
Contact Person:
联系电话：0550-7511801
Contact Number:
发证日期：2005-03-02
Issue Date:

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Sealed to be effective,this certificate serves as the proof of membership of Energy-Ahead.com
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The membership shall be examined and ratified by Energy-Ahead.com in each year.

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