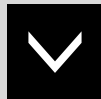




FRP water tank

Dezhou Huili Water Tank Co.,Ltd



Company profile



Our factory

C O N T E N T S



- 1 FRP GRP tank instruction**
- 2 Accessories**
- 3 Certificate & Test report**
- 4 Package**

PART01

FRP GRP tank instruction



Basic

Raw material:Food grade resin,Silvalin

Panel size:1*1m, 1*0.5m, 0.5*0.5m

Thickness:5mm-22mm

Connect way:Bolted type

Application:Firefighting,Fishtank,Swimming pool,Agricultural,Mining,Beverages etc.

Panel physical and chemical function

Tensile strength: $\geq 60\text{Mpa}$

Bending strength: $\geq 100\text{Mpa}$

Bending modulus: $\geq 7.0\text{Gpa}$

Pap hardness: ≥ 60

Bibulous rate: $\leq 0.5\%$

Glassfiber content: $\geq 25\%$

Water quality:Accord with GB5749

PART01

FRP GRP tank

instruction

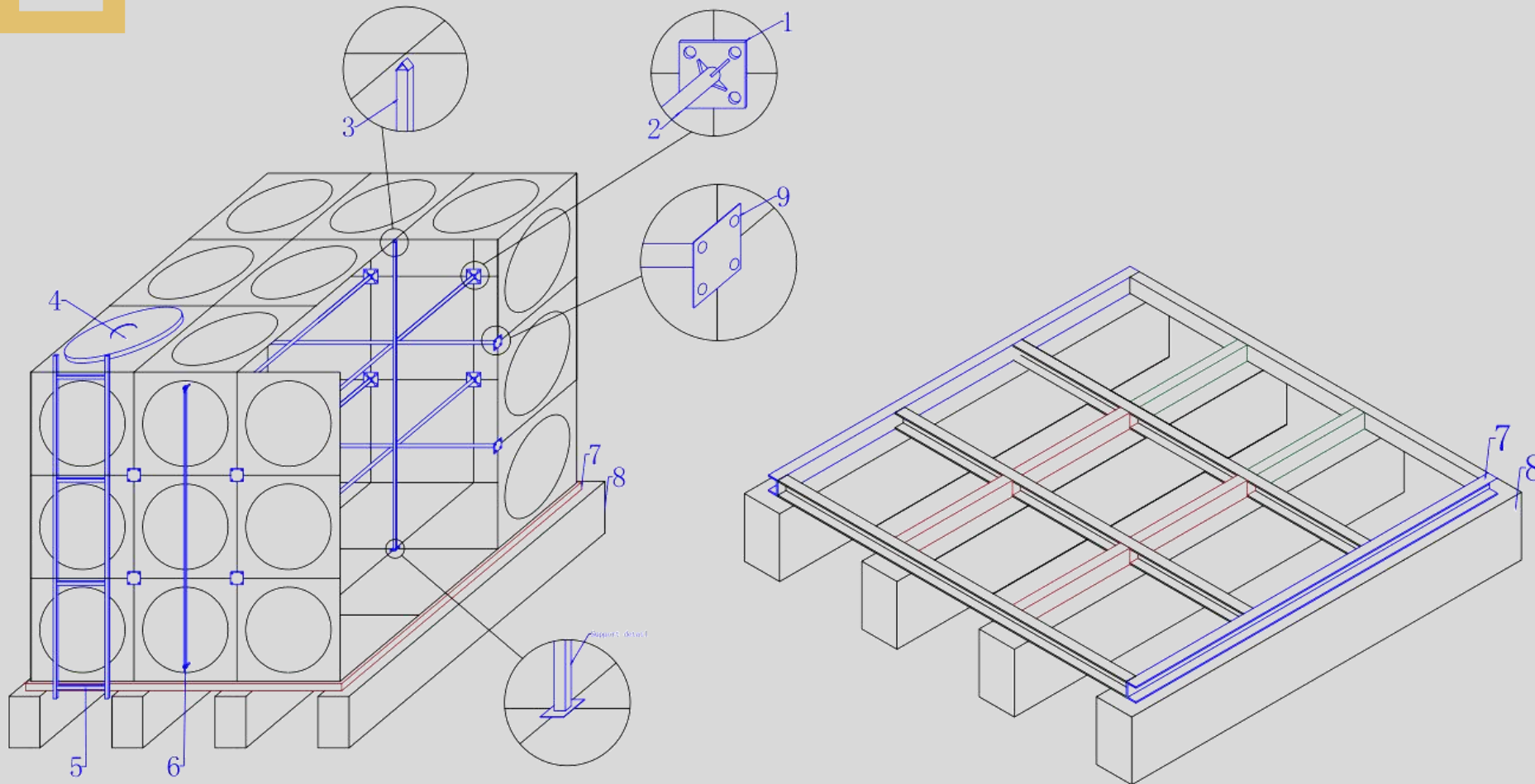
Size of panel	Weight of each panel								
	5#	8#	10#	12#	14#	16#	18#	20#	22#
1*1m	12kg	17.5kg	21kg	25kg	29kg	33kg	37kg	41kg	45kg
1*0.5m	7kg	9kg	11kg	13kg	15kg	17kg	19kg	21kg	23kg
0.5*0.5m	4.5kg	4.8kg	5.8kg	6.7kg	7.5kg	8.5kg	9.5kg	/	/



Tank Height (mm)	Thickness of each panel						
	Bottom panel	1st layer side panel	2nd layer side panel	3rd layer side panel	4th layer side panel	5th layer side panel	Top panel
1000	10#	10#	/	/	/	/	5#
1500	10#	10#	8#	/	/	/	
2000	12#	10#	8#	/	/	/	
2500	12#	12#	10#	8#	/	/	
3000	14#	14#	12#	8#	/	/	
3500	16#	14#	12#	10#	8#	/	
4000	18#	18#	14#	12#	10#	/	
4500	20#	18#	14#	12#	10#	8#	
5000	22#	20#	16#	12#	10#	8#	

PART01

FRP GRP tank instruction



Glossary

- 1.Inner bracing board
- 2.Bracing rod
- 3.Vertical support
- 4.Access manhole
- 5.External ladder
- 6.Water indicator
- 7.C-channel
- 8.Concrete base
- 9.Outer bracing board

PART02

Accessories



Access manhole
Food grade FRP GRP



Inner bracing rod
HDG,SS304 or SS316



Inner vertical support
HDG,SS304 or SS316



Bolts
HDG,SS304 or SS316



Sealing rubber
White color with food grade



Double thread bolts
HDG,SS304 or SS316



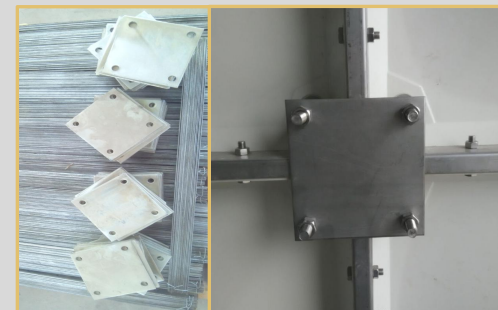
Leaking stoppage
Plastic with SS304 bolts & rubber



C-channel for base
Q235B with HDG



Auxiliary angle bar
HDG,SS304 or SS316



External bracing board
HDG,SS304 or SS316



Air ventage
HDG,SS304 or SS316

PART02

Accessories



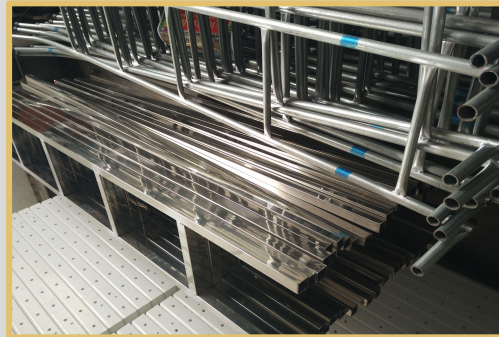
Flange

HDG,SS304 or SS316



Fixed angle iron

HDG,SS304 or SS316



Cat ladder

HDG,SS304 or SS316



Silicone adhesive

Silicone



Water indicator

Brass or SS304 with glass tube



8*8*5m FRP water tank with external reinforcement

Part 3

Certificate&Testing report

对外贸易经营者备案登记表

备案登记表编号: 01708016

进出口企业代码: 370034460780X

经营者中文名称	德州汇力环保科技有限公司		
经营者英文名称	Dezhou Huili Environmental Technology Co., Ltd.		
组织机构代码	34460780X	经营者类型 (由备案登记机关填写)	其他有限责任公司
住 所	山东省德州市经济技术开发区三八东路1266号泰和鑫源国际二十四层2402-01室		
经营场所 (中文)	山东有德州市经济开发区三八东路1266号泰和鑫源国际二十四层2402-01室		
经营场所 (英文)	Room2402-01,Floor24,Taihexinyuanguoji Building--No.1266,Sanba East Road,Economic-Technological Development Zone, Dezhou City,Shandong Province		
联系电话	0534-2180150	联系传真	0534-2180150
邮政编码	253000	电子邮箱	3057666915@qq.com
工商登记注册日期	2015-6-12	工商登记注册号	371403200015675

依法办理工商登记的企业还须填写以下内容

企业法定代表人姓名	高伟	有效证件号	371422198803120411
注册资金	叁佰万元	(折美元)	

依法办理工商登记的外国 (地区) 企业或个体工商户 (独资经营者) 还须填写以下内容

企业法定代表人 / 个体工商户负责人姓名		有效证件号	
企业资产 / 个人财产		(折美元)	

备注	
----	--

填表前请认真阅读背面的条款, 并由企业法定代表人或个体工商户负责人签字、盖章。



Foreign trade licence



QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 10015Q10612R05

This is to certify that

Dezhou Huili Water Tank Co., Ltd

Address: The Second Industrial Park, Luquntan Town Development Park, Wucheng County, Dezhou City, Shandong Province, China Post Code: 253000 Organization Code: 49374840-3

Has been assessed and certified as meeting the requirements of the Standard
GB/T 19001-2008/ ISO 9001:2008(ex. 7.3)

Certificate Scope: The Production and Service of Water Storage with Metal, Glass
Fiber Reinforced Plastic Water Tank

First	Prior to 2016-11	Certification of supervision
Second	Prior to 2017-11	Certification of supervision
Third /Recertification	Prior to 2018-08	---

(The validity of this certificate will be attained and sustained according to the regular supervision and verification with the marks of CHTC)

Issue Date: 2015-12-25 Expiry Date: 2018-09-15

The Certificate Information can Search in the Website: www.cnca.gov.cn



Beijing Continental Hengtong Certification Co., Ltd

Room 303, Floor 3, Building 1, Fengzhuyuan, No.18 of Jiaomen, Fengtai District, Beijing (P.R.100068) Http://www.bjchtc.com

ISO9001 Certificate



质量管理体系认证证书

证书编号: 10015Q10612R05

兹证明

德州汇力水箱有限公司

注册地址: 山东省德州市武城县鲁权镇开发区第二产业园

邮编: 253000 组织机构代码: 49374840-3

所建立的质量管理体系经审核符合

GB/T 19001-2008 / ISO 9001:2008
标准要求 (删减 7.3)

认证范围: 贮水用金属水箱、玻璃钢水箱的生产及服务。

一监	2016年11月以前	监审证明
二监	2017年11月以前	监审证明
三监/再认证	2018年08月以前	---

(本证书的有效性依据本公司的定期监督审核获得保持,

未经 CHTC 加贴监督审核合格标识, 证书无效)

本次发证日期: 2015年12月25日 有效期至: 2018年09月15日

本证书信息可在国家认证认可监督管理委员会官方网站 www.cnca.gov.cn 查询



总经理: 王树军

北京五洲恒通认证有限公司

北京市丰台区角门18号枫竹苑二区1号楼3层303室 (邮编: 100068) 网址: www.bjchtc.com

Part 3

Certificate&Testing report

BLG154115

MA

AL

2013150110Z (2013) (鲁) 质监验字 012 号

检验报告

Test Report

德质检 (BLG) 字 (15) 第115号

产品名称: 玻璃钢水箱
product Glass Fiber Reinforced Plastic Water Tank
规格型号: 2000 × 2000 × 2000
Model/Type
受检单位: 德州汇力水箱有限公司
Client Dezhou Huili Water Tank Co., Ltd.
检验类别: 委托检验
Test Kind Entrustment Inspection

山东省玻璃钢及制品质量监督检验中心
Shandong Fiberglass Products Quality Supervision and Testing Center

山东省玻璃钢及制品质量监督检验中心
Shandong Fiberglass Products Quality Supervision and Testing Center

检验报告 (续页)

Test report

共2页第2页
Page 2-2

No: BLG154115

序号 No.	检验项目 Inspection item	单位 Unit	标准要求 Standard requirement	检验结果 Inspection result	单项判定 Monomial criterion
1	水箱渗透性 Permeability	/	装满水后, 无渗漏现象。 Filled with water, no infiltration phenomenon.	符合 Meet standards	合格 Qualified
2	单板质量 Single board quality				
2.1	内外表面质量 Internal and external surface quality		表面不应有针孔。 No pinholes on the surface.	符合 Meet standards	合格 Qualified
			纤维应被树脂浸透。 Fiber fully impregnated with resin.	符合 Meet standards	合格 Qualified
			不应有伤痕如: 断裂、裂纹、磨伤。 There should be no bruises, such as breaking, cracks, scratches.	符合 Meet standards	合格 Qualified
			不应有尖的凸起或纤维裸露现象。 There should be no sharp protrusion or fiber exposed phenomenon.	符合 Meet standards	合格 Qualified
			不应有由空气聚集形成的表面鼓泡。 There should be no surface blister formed by air accumulation.	符合 Meet standards	合格 Qualified
2.2	外形尺寸 Overall dimension				
2.2.1	尺寸偏差 Size deviation	mm	长度: 1000 ± 3 Length: 1000 ± 3	1000	合格 Qualified
			宽度: 1000 ± 3 Width: 1000 ± 3	1001	合格 Qualified
2.2.2	顶出痕 Mark of top	mm	凸出 ≤ 0.5 Bulge ≤ 0.5	0.1	合格 Qualified
			凹入 ≤ 1.0 Concave ≤ 1.0	0.5	合格 Qualified
2.3	理化指标 Physicochemical indexes				
2.3.1	单板拉伸强度 Tensile strength	MPa	≥ 60	67	合格 Qualified
2.3.2	单板弯曲强度 Bending strength	MPa	≥ 120	186	合格 Qualified
2.3.3	单板弯曲模量 Bending modulus	GPa	≥ 10	12	合格 Qualified
3.4	单板吸水率 Bibulous rate	/	≤ 0.5%	0.11%	合格 Qualified
3.5	巴氏硬度 Pap hardness	/	≥ 60HBa	64HBa	合格 Qualified

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山东省玻璃钢及制品质量监督检验中心
Shandong Fiberglass Products Quality Supervision and Testing Center

检验报告

Test report

共2页第1页
Page 1-1

No: BLG154115

样品名称 Sample name	SMC组合式水箱 SMC sectional water tank	检验类别 Test category	委托检验 Entrustment inspection
受检单位 Client	德州汇力水箱有限公司 Dezhou Huili Water Tank Co., Ltd.	型号规格 Model/Type	2000 × 2000 × 2000
受检单位地址 Inspected address		样品等级 Sample grade	合格品 Qualified product
抽样地点 Sample locations		商 标 Brand	/
抽样基数 Sampling Base		委托人员 Principal	苏传晓 Su Chuanxiao
样品数量 Sample quantity	2000 × 2000 × 2000 水箱 1 件 2000 × 2000 × 2000 水箱板 1 块	委托日期 Date of entrustment	2015-10-16
样品特性和状态 Sample properties and status	完好 Intact	生产日期 Date of manufacture	2015-10
检验环境 Test atmosphere	符合标准要求 Meet standard requirements	样品编号 Sample number	BLG154115
检验依据 Inspection basis	JC/T 658.1-2007	检验日期 Inspection date	2015-10-21
检验要求 Inspection requirements	水箱渗透性、单板质量 Permeability of water tank, sample quality		
检验结论 Inspection conclusion	该样品按 JC/T 658.1-2007 检验, 所检项目符合标准要求。 The samples are in accordance with JC/T 658.1-2007; the inspection results are in line with the requirements of the standard.		
备 注 Remarks	1. 仅对来样负责。 2. 委托方提供生产单位: 德州汇力水箱有限公司。 1. Only responsible for the sample. 2. Production Products of the principal: Dezhou Huili Water Tank Co., Ltd.		

批准: 日期: 7015-10-21
审核: 日期: 2015-10-21
主检: 日期: 2015-10-21

3/3

Testing report of quality

Part 3

Certificate&Testing report


2013150349S

Dezhou Center For Disease Control And Prevention

TESTING REPORT

(2014)SS002 Dezhou

Sample No. 20140390

Sample Name Huili SMC Sectional Water Tank

Customer Name Dezhou Huili Water Tank Co.,Ltd.

Sep 19th,2014

Dezhou Center For Disease Control And Prevention

Testing Report

Sample No. 20140390 Dezhou (2014)SS002 Page one/Two pages

Sample name Huili SMC Sectional Water Tank Inspection date 2014.08.19

Customer name Dezhou Huili Water Tank Co.,Ltd. Sample quantity (10cm*10cm)/pcs*10pcs

Manufacturer Dezhou Huili Water Tank Co.,Ltd. Sample shape Solid

Production date / Finish date 2014.09.19

Testing type Sanitation&Safety testing

Testing and evaluation is based on the following:
<Portable Water Transportation And Distribution Equipment And Protective Material Sanitation And Safety Evaluation Principle>
GB/T 5750.4-2006 Potable Water Standard Testing Method Sensory Property And Physical Index>
GB/T 5750.6-2006 Potable Water Standard Testing Method Metal Element>
GB/T 5750.7-2006 Potable Water Standard Testing Method Organic Matter Comprehensive Index>
GB/T 5750.8-2006 Potable Water Standard Testing Method Sensory Property And Metal Element>

Testing Conclusion

According to <Portable Water Transportation And Distribution Equipment And Protective Material Sanitation And Safety Evaluation Principle>(2001),testing sample.

Testing method adopts to GB/T 5750-2006 <Potable Water Standard Testing Method>,sample processing method is based on <Portable Water Transportation And Distribution Equipment And Protective Material Sanitation And Safety Evaluation Principle> (2001) appendix one and requirement from potable water safety management regulation of Ministry Of Health,sample soaking water is based on appendix 1.3.1,soaking time is 24H±1H,s oaking temperature is 25℃±5℃.

Result indicates: Chroma, turbidity, smell and taste , visible matter , PH , dissolved solid, oxygen consumption,arsenic cadmium,chromium,aluminium,lead,mercury,chloroform,carbon tetrachloride, volatile phenolics etc index are subject to requirement of <Portable Water Transportation And Distribution Equipment And Protective Material Sanitation And Safety Evaluation Principle>(2001).

Chief Testing Equipment:

Name: Inductive coupling plasma spectrophotometer Atomic fluorescence spectrophotometer UV/ visible spectrophotometer	Model type iCAP 6300 Duo AFS-920 UV-1801	Name Electronic analytical balance Ion meter Turbidimeter	Model type BS224S PXSJ-216 YZD-A
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Legal representative (signature) 李健

Final approval 2014 Y 9 M 19 D

Dezhou Center For Disease Control And Prevention

Testing Report

Sample No. 20140390 Page two/two pages

Sample name Huili SMC Sectional Water Tank Inspection date 2014.08.19

Testing item Chroma Turbidity Smell and taste etc 16 items Finish date 2014.09.19

One :Testing results

Testing results(safety soaking test)

Item	Unit of measurement	Testing results	Sanitation regulation	Results	
		Blank value Parallel sample 1 Parallel sample 2			
Chroma		<5	<5	Increment ≤5	Qualified
Turbidity		0.4	0.4	Increment ≤0.2	Qualified
Smell and taste		None	None	No smell	Qualified
Visible matter		None	None	None	Qualified
PH		6.57	6.59	Variation≤0.5	Qualified
Dissolved solids	mg/L	117	118	Increment ≤10	Qualified
Oxygen consumption	mg/L	0.27	0.29	Increment ≤1	Qualified
Arsenic	mg/L	<0.0005	<0.0005	Increment ≤0.005	Qualified
Cadmium	mg/L	<0.0002	<0.0002	Increment ≤0.0005	Qualified
Chromium	mg/L	<0.0005	<0.0005	Increment ≤0.005	Qualified
Aluminium	mg/L	<0.005	<0.005	Increment ≤0.02	Qualified
Lead	mg/L	<0.0005	<0.0005	Increment ≤0.001	Qualified
Mercury	mg/L	<0.0001	<0.0001	Increment ≤0.0002	Qualified
Chloroform	mg/L	<0.001	<0.001	Increment ≤0.006	Qualified
Volatile phenolics	mg/L	<0.002	<0.002	Increment ≤0.002	Qualified
Carbon tetrachloride	mg/L	<0.0001	<0.0001	Increment ≤0.0002	Qualified

Legal representative (signature) 李健

Final approval 2014 Y 9 M 19 D

Food grade certificate

Part 4

Package
solution

Iron basket package



Before delivery



Loading container



Arrive at site

Part 4

Package solution

Plywood package for panel



Before packing



Loading container

Part 4

Package
solution

Plywood for accessories



Accessories

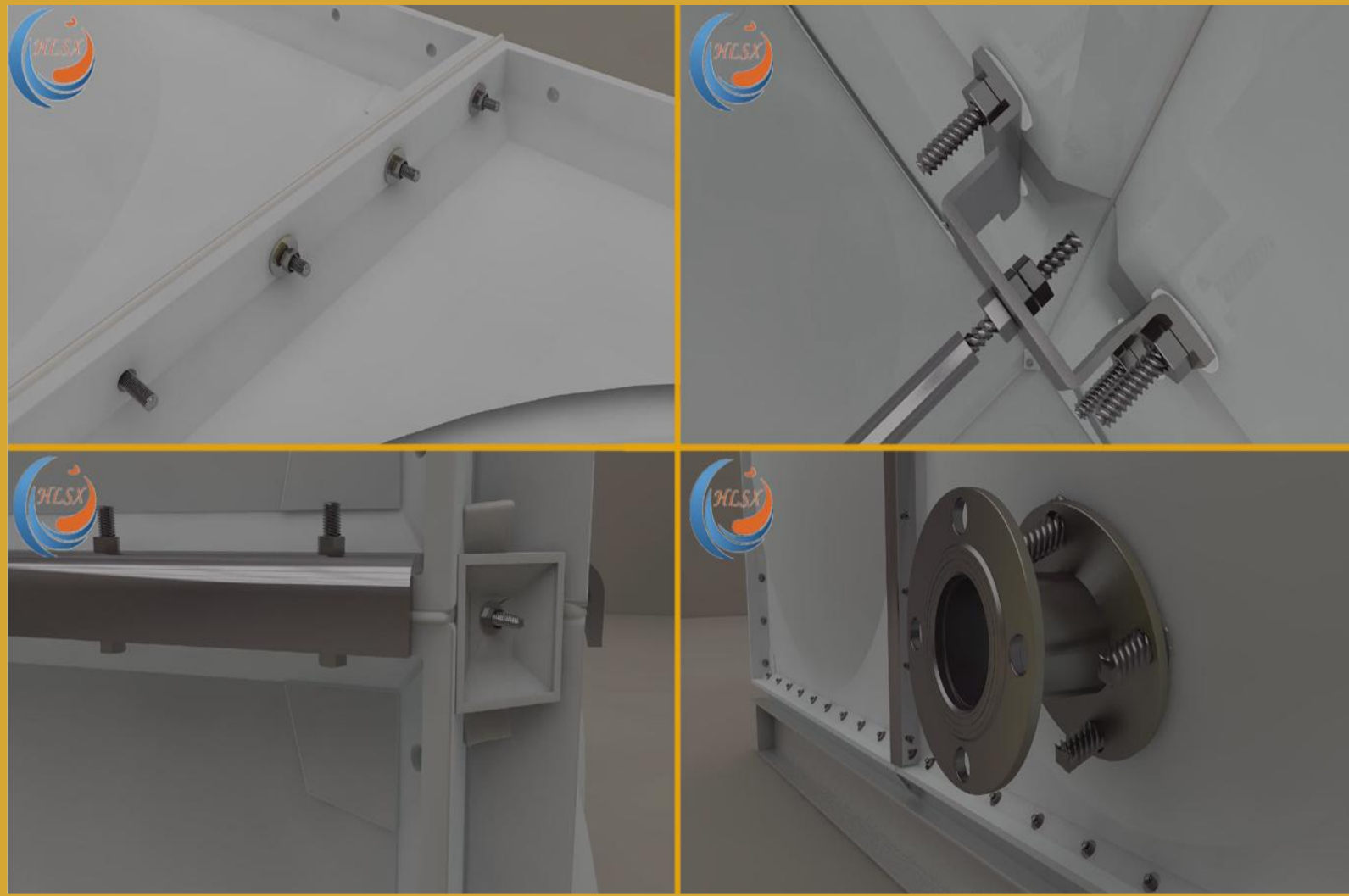


Sealing rubber



Loading container

Additional Installation video



Wanna know how to
install the FRP/GRP water
tank?

Just click the website link
as follow for watching
the video.

<https://www.hltankchina.com>