CENTER ENAMEL

Shijiazhuang Zhengzhong Technology Co., Ltd

GFS Tanks | Epoxy Tanks | SS Tanks | Aluminum Dome Roofs

Storage solutions





CONTENTS

NO1. **About Company**

The company and product introduction

NO2. **Advantages and R&D Ability**

Why choose Center Enamel Tank solution

NO3. **Production & Quality Control**

The main production steps and main QC inspectations

NO4. **Project Reference**

Center Enamel Tanks overseas successfull project reference list

About Company

CENTER ENAMEL



Center Enamel is not only the first manufacturer in China which produces Glass Fused to Steel Tanks, but also the most experienced professional bolted tanks manufacturer in Asia.

- Professional manufacturer dedicated to the design and fabrication of enameled products since 1989.
- We begin with: enamel frit | enameled cookware
  Glass-Fused-to-Steel (GFS) tanks
- Now we can also provide various types of bolted tanks:

  Epoxy tanks | Stainless Steel Tanks | HDG tanks
  Aluminum Geodesic Dome Roofs

- **Current factory area :** 50,000m2
- **Current production ability :** 150,000 pc of sheets/year
- **Design Standard:** AWWA D103, OSHA, EN28765, EuroCode



Our New Production Base

CENTER ENAMEL

UNDER CONSTRUCTION!~

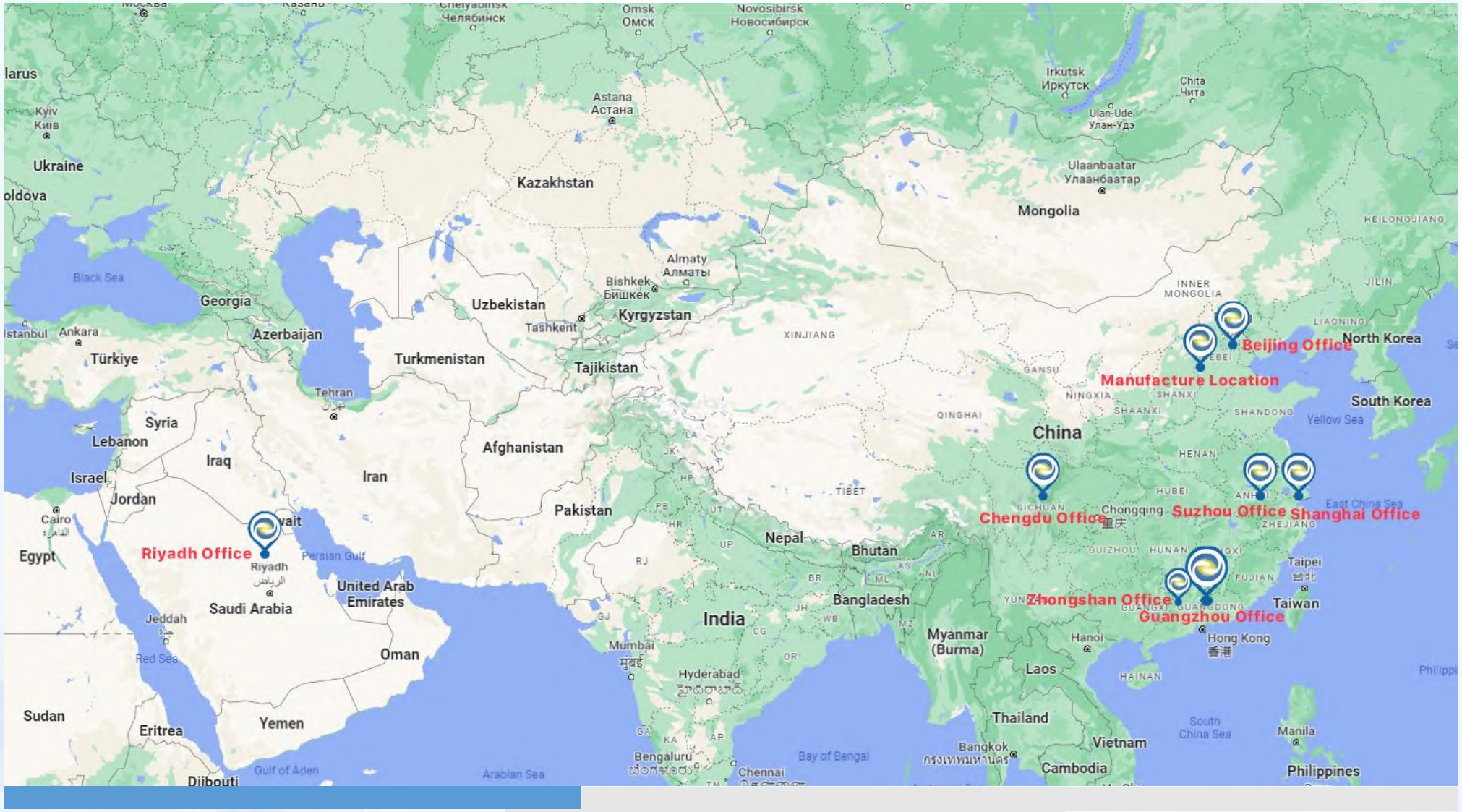
- Plant area: 100,000m2
- Production ability: 250,000 pc sheets/year

- Concrete building finished: August
- Production line: September
- Trial production: October
- Formal production: end of 2023



Our Global Offices

CENTER ENAMEL



Successfull Projects Worldwide

CENTER ENAMEL

- **Center Enamel** has shipped its products to 90 countries around the world, and it is still reaching out to the world today.



Our Advantages

CENTER ENAMEL

WHY Choose Center Enamel Tanks :



Laboratory Room

Quality control

01 **More than 30 years experience in Enameling industry**

The only GFS tanks manufacturer which can produce enamel frit as well

02 **Engineering Design Standards- AWWA D103, OSHA, ISO28765, EUROCODE**

The only Asian GFS tanks manufacture which can be widely accepted in US market

03 **Professional Experience with international Market**

Successful GFS tanks projects in more than 90 countries worldwide

04 **Cooperate with Well-known international Corporations**

Coca-Cola, Paques, CECEP, China Power, AbInBev, Sinopec, Wilmar, Porsche, CNNC etc.

International Certifications

CENTER ENAMEL

ISO9001 Certificate



IQNet

THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CQM has issued an IQNet recognized certificate that the organization:

SHIJIAZHUANG ZHENGZHONG TECHNOLOGY CO.,LTD.

for the following scope:

Enameled products and enamel glaze production

has implemented and maintains a

Quality Management System

which fulfils the requirements of the following standard:

ISO 9001:2015

Issued on: 2018-11-27

Expires on: 2021-10-25

Registration Number: CN-00218Q27785R2M

IQNet — Alex Stoichitoiu, President of IQNet

Ji XiaoDong, General Manager of CQM

NSF/ ANSI 61 Certificate



NSF International

789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

Shijiazhuang Zhengzhong Technology Co., Ltd.

Facility: Hebei, China

AS COMPLYING WITH NSF/ANSI/CAN 61 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.

NSF

ANSI

Certification Program Accredited by the American National Standards Institute

Certification Program Accredited by the Standards Council of Canada

This certificate is the property of NSF International and must be returned upon request. This certificate remains valid as long as this client has products in NSF's Official Listings for the referenced standards. For the most current and complete Listing information, please refer to NSF's website (www.nsf.org).

August 7, 2019
Certificate# C0454312 - 01

Theresa Bellish
General Manager, Water Systems

FDA Certificate



FDA

Verification of FDA Compliance

Certification No.:RJSCHN1212815A FDA Test Report No.: RJS1212815A FDA

Applicant:	QINGDAO LEDAR CHEMICAL CO., LTD.
Address:	HAIER INDUSTRY PARK, JIAOZHOU, QINGDAO, SHANDONG, P.R.CHINA.
FDA Facility Registration No.:	14633722906
Product Description:	LEDAR-MS100 SEALANT
Test Standards:	US FDA FOOD CONTACT ARTICLE TEST IN ACCORDANCE WITH 21 CFR 175.300 - RESINOUS AND POLYMERIC COATINGS
Test Performing Date:	JAN. 29, 2013 TO JAN. 31, 2013
Test Laboratory:	HK STC
Date of Issue:	JUL. 06, 2015

Conclusion:

This certificate is only valid for the equipment and configuration described, in conjunction with the test date detailed above. This certificate makes no other representations or warranties, nor does it make any representations or warranties to any person or entity other than the named certificate holder. RJS standard testing & certification center assumes no liability to any person or entity in connection with the foregoing.

RJS -CENTER-

Emma Hsu
Chief Operation Officer
Date: Jul. 20, 2015

RJS STANDARDS TESTING & CERTIFICATION CENTER (HK)

International Certifications

CENTER ENAMEL

ISO/EN 28765



SIRIM QAS International Sdn. Bhd. (410334-X)
No.1, Persiaran Dato' Menteri, P.O.BOX 7035, Section 2,
40700 Shah Alam, Selangor Darul Ehsan, Malaysia
Tel: 03-55445168
Fax: 03-55446688
www.sirim-qas.com.my

TEST REPORT

REPORT NO : 2019CE0555-S1	PAGE : 1 OF 4

This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This Test Report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Managing Director, SIRIM QAS International Sdn. Bhd. Please refer the last page for Conditions Relating to the Use of Test Report.

THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant	: PRODUCT CERTIFICATION & INSPECTION SECTION, Building 25, SIRIM QAS INTERNATIONAL SDN BHD (Attn: En Waheedir Yahaya) File No: P5-012861
Manufacturer	: Licensee: ZENTRAL ENTERPRISE SDN BHD Lot 20-3A (A), Jalan PJU 8/5G, Bandar Damansara Perdana, 47820 Petaling Jaya, Selangor Darul Ehsan, Malaysia. Manufacturer: SHIJIAZHUANG ZHENGZHONGTECHNOLOGY CO. LTD. Huaan East Road 81#, Zhengding, Shi Jiazhuang, 050800 Shijiazhuang City, Hebei Province, China.
Product	: Vitreous and Porcelain Enamels Bolted Steel Tanks for the Storage or Treatment of Water
Reference Standard / Method of Test	: ISO 28765 : 2016 – Title: Vitreous and porcelain enamels- Design bolted steel tanks for the storage or treatment of water or municipal or industrial effluents and sludges
Description of sample / Description of Test Specimen	: Received one (1) sample of Vitreous and Porcelain Enamels Bolted Steel Tanks for the Storage or Treatment of Water for testing which was identified as: Brand : Center Enamel
Date Received of Complete Application	: 21 February 2019
Job No.	: J20191400219
Description of Test Results / Overall Test Result	: The submitted test sample as described in this test report complied with all the requirements of the above Reference Standard.
Issued Date	: 14 May 2019

Approved Signatories;

(MUHAMMAD RIZAL BIN ABDUL [illegible])
Testing Executive

SIRIM QAS International Sdn. Bhd. CHEMICAL & CONSUMER SECTION

(HAHNAS BINTI MAHBUT)
Head
Chemical & Consumer Section
Testing Services Department

WRAS



WRAS APPROVED MATERIAL

Approval Number 2211553
Test Report: MA7772/Y

8th December 2022

Shijiazhuang Zhengzhong Technology Co., Ltd.
Huaan East Road 81#,
Zhengding,
Shijiazhuang City,
Hebei Province,
China

Water Regulations Approval Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

WATER REGULATIONS APPROVAL SCHEME LTD. (WRAS)
MATERIAL APPROVAL

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6920-1:2000 and/or 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

COATINGS, PAINTS & LININGS- FACTORY APPLIED PIPE & FITTINGS COATINGS. **5030**

'CEC-GFS Enamel, Black Blue RAL5004'. Factory applied, blue/black (appears black) coloured, enamel coating.

Apply as per manufacturer's instructions 'ZZ-Ins001', dated '2021.01.01'.

GFS-G base glaze: dry for 15 Minutes at 200°C then fire for 12 minutes at 870°C.
GFS-S surface glaze: dry for 15 Minutes at 200°C then fire for 10 minutes at 830ºC.

For use with water up to 85°C.

This material is only approved for the drying and firing conditions that appear on the approval. If the drying and/or firing are varied from those specified on the approval then the material is not covered by the scope of the approval.

APPROVAL NUMBER: 2211553
APPROVAL HOLDER: SHIJIAZHUANG ZHENGZHONG TECHNOLOGY CO., LTD.

The Scheme reserves the right to review approval.
Approval 2211553 is valid between November 2022 and November 2027

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

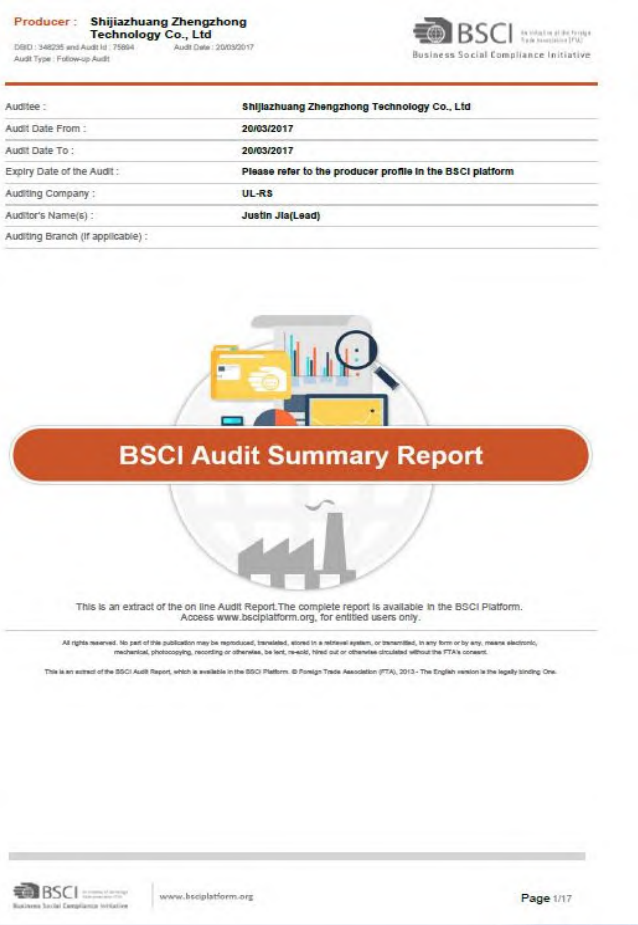
The Directory may be found at: www.wrasapprovals.co.uk/approvals-directory/

Yours Faithfully

Ian Hughes
WRAS Approvals Manager

The Water Regulations Approval Scheme Ltd. Registered in England No. 1303284 Registered office: 6D Lowick Close, Hazel Grove, Stockport, SK7 5ED
WRAS.Appr-305F1 ver 2.0 Tel:+44(0)1495 244 666 Fax:+44(0)1495 244 666 Email:info@wrasapprovals.co.uk website:www.wrasapprovals.co.uk Page 1 of 9

BSCI Certificate



Producer : **Shijiazhuang Zhengzhong Technology Co., Ltd**
DBID : 348235 and Audit Id : 75894 Audit Date : 20/03/2017
Audit Type : Follow-up Audit

BSCI Business Social Compliance Initiative

Auditee :	**Shijiazhuang Zhengzhong Technology Co., Ltd**
Audit Date From :	**20/03/2017**
Audit Date To :	**20/03/2017**
Expiry Date of the Audit :	**Please refer to the producer profile in the BSCI platform**
Auditing Company :	**UL-RS**
Auditor's Name(s) :	**Justin Jia(Lead)**
Auditing Branch (if applicable) :	

BSCI Audit Summary Report

This is an extract of the on line Audit Report.The complete report is available in the BSCI Platform.
Access www.bsciplatform.org, for entitled users only.

All rights reserved. No part of this publication may be reproduced, translated, stored in a retrieval system, or transmitted, in any form or by any, means electronic, mechanical, photocopying, recording or otherwise, be lent, re-sold, hired out or otherwise circulated without the FTA's consent.

This is an extract of the BSCI Audit Report, which is available in the BSCI Platform. © Foreign Trade Association (FTA), 2013 - The English version is the legally binding One.

BSCI Business Social Compliance Initiative www.bsciplatform.org Page 1/17

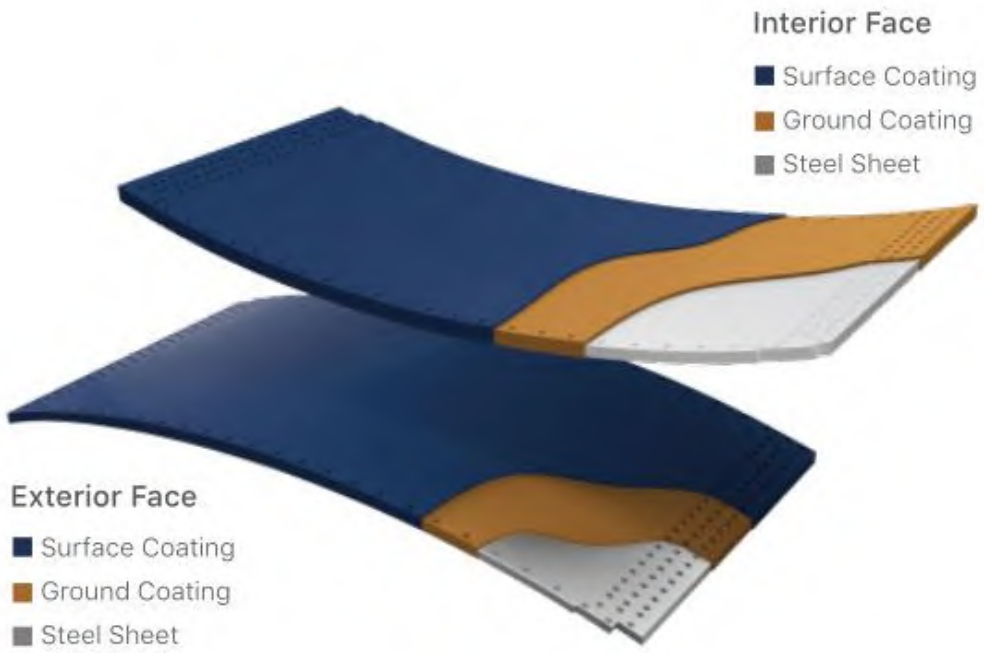
What is Glass-Fused-to-Steel ?

CENTER ENAMEL

After firing at 820 ° C-930 ° C high temperature, the molten glass reacts with the steel plate surface to form an inert and inorganic bond, which combines the strength & flexibility of steel and outstanding corrosion resistance of glass, therefore GFS tanks can provide many advantages over standard epoxy or welded painted storage tanks. Glass-Fused-to-Steel technology is the premium coating technology in the storage tanks market, and GFS tanks are widely used in bio-energy, potable water storage, municipal sewage, landfill leachate, industrial wastewater treatment and other applications.

Enameling Technologies: 2C1F, 2C2F, 3C3F

Double Coating Layer Structure (2C2F)



WRAS APPROVED MATERIAL | FDA | ISO 9001:2015 | ISO 14001:2015 | NSF | ISO ENISO 28765

Comparation of 3 enameling technologies

CENTER ENAMEL

Enamel Coating	2C1F (2 coating 1 firing)	2C2F (2 coating 2 firing)	3C3F (3 coating 3 firing)
Application	Agriculture water Fire water storage Drinking water storage Sludge tank AD tank (liquid area) Filter tank, dry bulk storage Temporary storage Municipal sludge treatment (open roof)	Industrial wastewater Treatment Sea water landfill leachate AD tank (gas area) municipal sludge treatment (with roof)	Special application Irritant waste water treatment Chemical industrial wastewater High temperature application
PH	3-10	2-10	2-11
Coating thickness	210-430um	240-460um	270-480um
Test method	Holiday test	holiday test	Holiday test
Testing voltage	900V	1500V	1500V
Tank color	Black blue	Black blue, Dark green Other customized colors	Black blue, Dark green Other customized colors

Properties of Center Enamel GFS Tanks

CENTER ENAMEL

Coating Color	Black blue, Grey olive, Forest green, Cobalt blue, Desert tan etc.
Coating thickness	10- 18 mils, 230-480 microns
Acid and alkalinity proof	Standard PH: 3~11, Special PH:1~14
Adhesion	5,000 psi
Hardness	6.0 (Mohs)
Service life	≥30 Years
Holiday test	> 900V / 1500V
Permeability	Gas liquid impermeable
Easy to clean	Smooth, glossy, inert, anti-adhesion
Corrosion resistance	Excellent, suitable for wastewater, salt water, sea water, high sulfur crude oil, salt fog organic and inorganic compounds


Light Blue


Light Grey


Dark Green


Tan


Dark Blue


Forest Green


White


Cobalt Blue

Why choose Glass-Fused-to-Steel ?

CENTER ENAMEL

GFS Tanks Advantages :

- **Short Installation Time:** prefabricated, rapid and simple
- **Low Capital Investment:** very low maintenance cost
- **30 Years Service Life:** superior corrosion resistance
- **Attractive Appearance**: color can be customized
- **Quality Control:** according to international standards
- **Flexibility:** re-model, extend, dismantle and relocate



Main Production Steps of GFS Tanks

CENTER ENAMEL



01 CNC Laser Cutting



02 Steel Pre-treatment



03 Arc Bending



04 Automatic Enamel Spraying



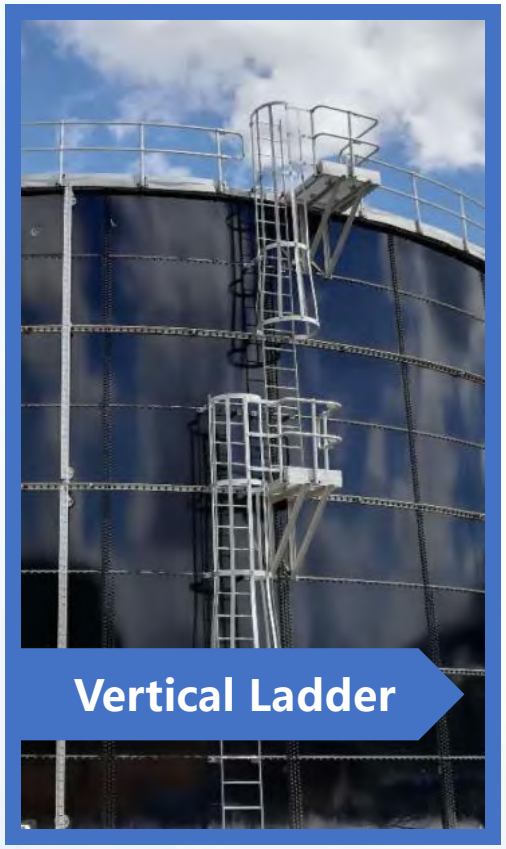
05 High Temperature Tunnel Oven



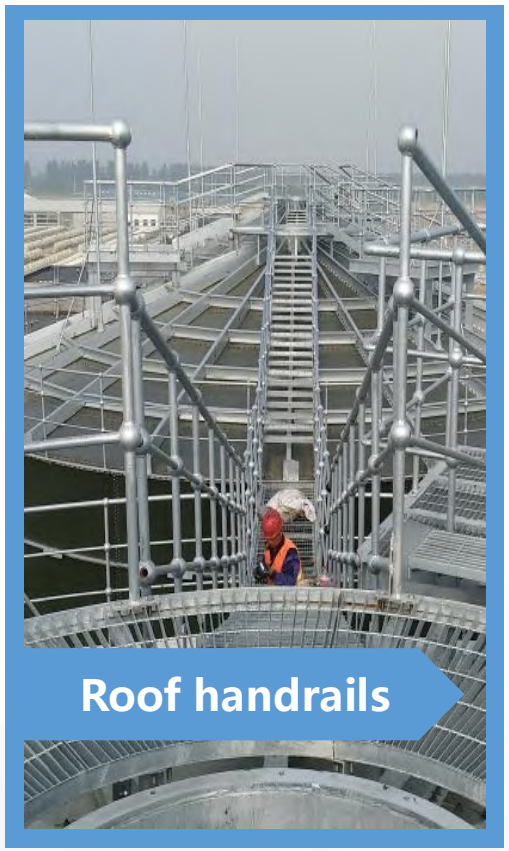
06 Product Inspection

Main Accessories of Tanks

CENTER ENAMEL



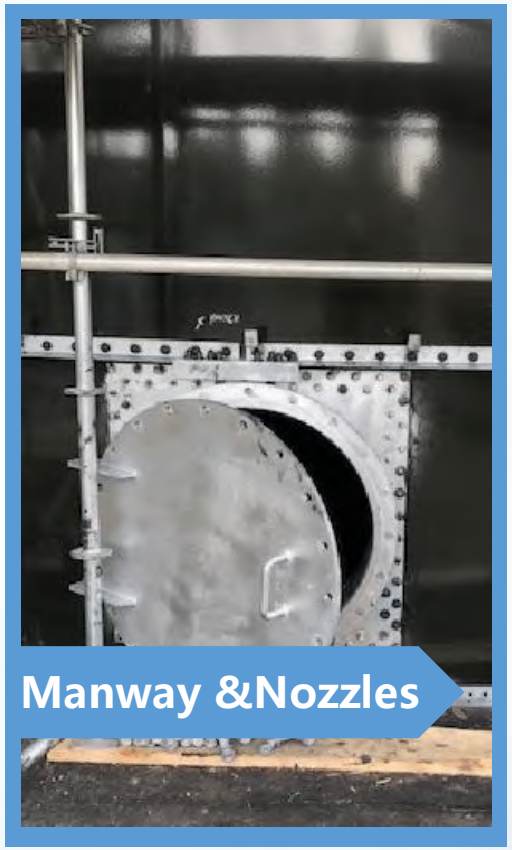
HDG / Stainless steel / Epoxy
Monkey ladder/ Spiral staircase



Partial guardrail/ perimeter guardrail



With handrail & kickboard



HDG/ SS/ Epoxy Coating

Quality Control

CENTER ENAMEL

Raw Material Test: raw materials ingredient analysis, impurity test etc.

Enamel Formula Test: enamel fluidity test, acid and alkali resistance test, adherence / impact test

Inspection During Production: magnify experiment simulated operation environment

Final Quality Test: impact test, 1500V/1100V holiday test, coating thickness, color difference test

Acid and Alkali Resistance Test





1500V Holiday Test



Adherence Test



Enamel Thickness Test

Packages and Container Loading

CENTER ENAMEL

Small items

Small items such as bolts, nuts are packaged in wood pallet, then wrapped with plastic film



Enamel sheet

Enamel sheets are well packaged in wood pallet with max. weight limitation 3T



Container Loading

Enamel sheet pallet in the middle, long items such as raftters at left/right sides, light items on top of wood pallet



GFS Tanks Installation

CENTER ENAMEL

GFS Tanks Foundation Types:

1. Embedded bottom ring
2. Starter ring
3. Above floor
4. Enamel floor

Main Installation Tools:

- Jacks or Steel Poles







GFS Tanks Installation

CENTER ENAMEL



Apply the Sealant



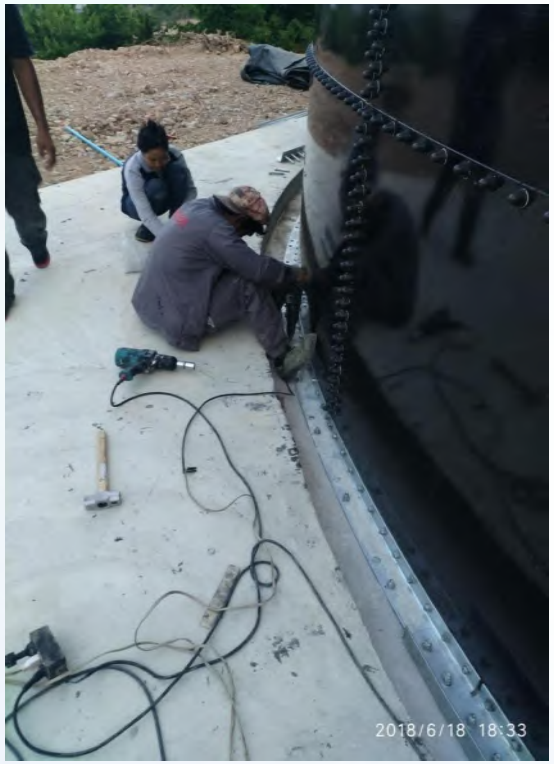
Install the top ring



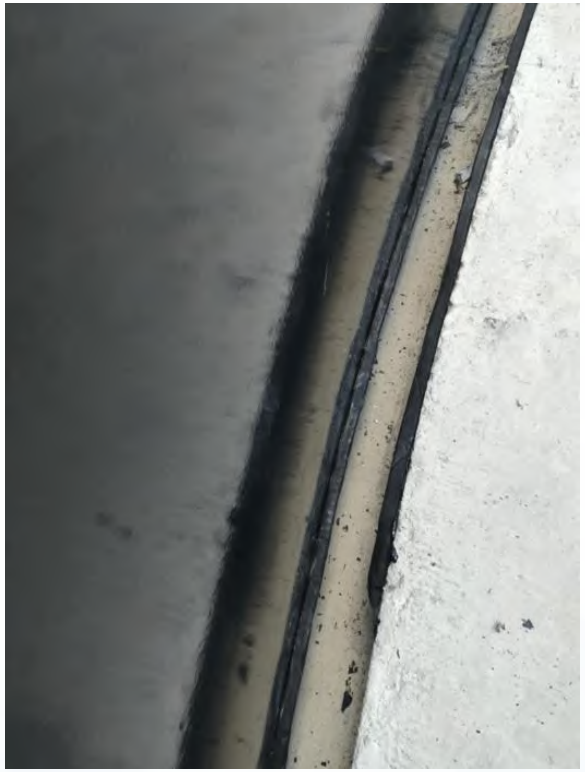
Lifting up top ring

GFS Tanks Installation

CENTER ENAMEL



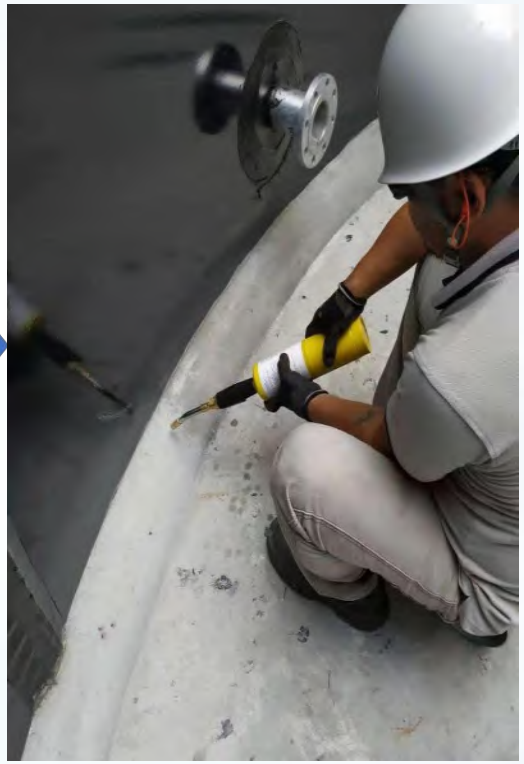
Install the base angles



Water-expanding rubber strip



Waterproof sealant



C28/35 Protective Layer



CENTER ENAMEL

Storage Tanks

Worldwide Projects Reference

Project reference - Asia

CENTER ENAMEL

Coca-Cola Plant Wastewater Treatment – Bandar Enstek, Seremban, Malaysia

Project Details:

EGSB tank with enamel roof: 7.64*17.4M

Adjusting tank with aluminum deck roof: 9.17*16.8M

Installation finished: October 2016





Project reference - Asia

CENTER ENAMEL

2008 Beijing Olympic Games Project

Sewage Treatment Rebuild

and Capacity Expansion

Project Details:

4 *Sedimentation tanks：Ø18.33×3.6M

1 *Sludge Collection tank：Ø4.82×3.6M

Total capacity: 5200m3

Installation：12 people for 15 days

Installation finished : August 2005



Project reference - Asia

CENTER ENAMEL

SINOPEC Wastewater treatment - Quanzhou, China

Project Details: 2 sets of Ø 19.11*20.4m, 1 set of Ø 13.75*21.6m, 1 set of Ø 13.75*20.4m
Roof type: enamel roofs
Installation finished: Jun., 2019





Project reference - Asia

CENTER ENAMEL

Kazakhstan Biogas Tank Project

Project Details:

2 sets of Biogas tanks: Ø 17.16×15.6M

Roof Type: GFS roof

Installation finished : July 2014





Project reference - Asia

CENTER ENAMEL

HK Veolia Landfill Leachate Treatment Project

Project Details:

2 units EQ tank with GFS roof: 15.29x6M

3 units SBR tank without roof: 26.75x8.4M

1 unit SBR effluent tank with GFS roof: 15.29x6M

2 units sludge holding tank with GFS roof: 9.93x4.8M

1 unit sludge thickener tank with GFS roof: 11.46x6M

1 unit thickened sludge holding tank with GFS roof: 4.59x4.8M

1 unit treated effluent tank with GFS roof: 7.64x4.8M

Tank Color: **inner white, outter cobalt blue**

Installation finished: Oct., 2019





Project reference - Asia

CENTER ENAMEL

Inner Mongolia Biogas Project

3 sets of biogas digester with size Ø 25.22*8.4M
Roof type: double membrane
Installation finished: 2016





Project reference - Asia

CENTER ENAMEL

Fire Water Storage Tank of

Cigarette Manufacture in Indonesia

(the **highest** GFS tank built by Asian GFS tank supplier)

Project Details:

GFS tank size：7.64*34.8M

Roof type: enamel roof

Installation finished: February 2018





Project reference - Asia

CENTER ENAMEL

PAQUES Biogas tank project

Project Details:

Biogas tank material: SS316

SS316 tank size: Ø 11.47*12.6M

Roof Type: SS316 Roof

Location: Shanxi, China

Installation finished : October 2022



Project reference - Asia

CENTER ENAMEL

Metro Cebu Potable water storage tank - Philippines

Project Details: 2 units of tank with Aluminum dome roof

GFS tank size: 17.58x13.2m Installation finished : 2023





Project reference - Asia

CENTER ENAMEL

Drinking water GFS tanks – Cirebon, west Java, Indonesia

Project Details:

Drinking water tanks: Ø 46.62x6M

Roof type: aluminum alloy roof

Installation Finished: Feb.,2020





Project reference - Asia

CENTER ENAMEL

Palm oil wastewater treatment plant – Sandakan, Malaysia

Project Details:

Tank Model: Ø18.33 * 8.4m

Tank Quantity: 5 nos. GFS tanks

Installation：7 people, 100 days

Installation Date：June, 2013





Project reference - Asia

CENTER ENAMEL

Heineken Plant Wastewater Treatment - East Timor

Project Details:

Sedimentation tank: 4.2x4.2M
Pretreatment tank: 8.4x4.2 M
Adjusting tank : 8.4x4.2M
Hydrolytic acidification tank: 8*9M
Sludge-tank: 3.8x4.2M
Aerobic tank : 12.99x4.2M
Installation finished: November 2016





Project reference - Asia

CENTER ENAMEL

Water purification project- Philippines

Project Details:

Phase 1:

1 unit of tank with GFS Roof: Ø 9.93*12.0M, 928m3

2 units of tank with GFS Roof: Ø 9.17*7.8M, 515m3

1 unit of tank with GFS Roof: Ø 7.64*6.0M, 275m3

Phase 2:

1 unit of tank with GFS Roof: Ø 9.93*12.0M, 928m3

2 units of tank with GFS Roof: Ø 7.64*6.0M, 275m3

Installation Date: June. 2019



Project reference - Asia

CENTER ENAMEL

Indonesia Biogas Fermentation tanks Project

Project Details:

Biogas Fermentation tanks : 19.86×8.4M Tank quantity: 3 sets

Roof type: single membrane roof Installation finished on 2009





Project reference - Asia

CENTER ENAMEL

Sewage treatment Plant in Hangzhou, China

(visited by Super typhoon just after installation - Lekima 215km/hr, 17 grade)

Project Details:

GFS Tank Size: Ø12.23*24M (2,818m³)
Quantity: 5 sets of GFS tanks
Installation finished: July, 2019





Project reference - Asia

CENTER ENAMEL

Wastewater Treatment GFS Tank
- Indonesia Pineapple Factory

Project Details:

GFS tank: Ø 19.87*9.6M

Roof Type: Aluminum alloy roof

Installation Finished: May, 2016



Project reference – Middle East

CENTER ENAMEL

Coca-Cola Plant Wastewater treatment tanks- Riyadh, Saudi Arabia

Project Details:

Equalication tank : 15.29*7.2 M

Calamity tank : 8.4*9 M

Anaerobic digester tank : 12.22*8.4m

Flash Aeration tank : 7.64*7.2m

Holding tank: 6.88*7.2 M

Roof type : enamel roofs/aluminum alloy roofs

Installation Finished on 2017



Project reference – Middle East

CENTER ENAMEL

Coco-Cola Wastewater Treatment Plant – Dammam, Saudi Arabia

Project Details:

Sludge Tank Anaerobic: Φ 4.59*7.2M , 119M³

Conditioning Tank: Φ6.11*14.4M, 422M³

Post Aeration Tank: Φ 7.64*9M, 412M³

Sludge Tank Aerobic: Φ3.82*7.2M, 82M³

Sewage Storage Tank: Φ 5.35*14.4M, 323M³

Anaerobic Reactor Φ11.46*10.2M, 1051M³

Roof type : GFS roofs/Aluminum alloy roofs

Installation Finished on August, 2017



Project reference – Middle East

CENTER ENAMEL

Dubai World Central Airport Wastewater Proiect

Project Details:

1 unit of MBR tank with open roof:

Ø11.11*5.8M, 560m3

1 unit of Aeration tank with open roof:

Ø 16.2x5.8m, 1155m3

Installation Date：Jan, 2021



Project reference – Middle East

CENTER ENAMEL

Dubai Sewage Storage Tanks

Project Details:

Sewage Storage Tank: Ø 16.82*9M

Drinking Water Tank: Ø 8.4*9M

Roof type: Open roof

Installation Finished: Jun., 2019



Project reference – Middle East

CENTER ENAMEL

Wastewater Treatment Plant in Kuwait

Project Details:

Wastewater storage tank: Ø 9.93*4.2M with open roof

Installation finished: Dec., 2016





Project reference – North America

CENTER ENAMEL

Double Wall GFS Storage Tanks for Landfill Leachate – Oregon, USA

Project Details：

Outer storage tank : Ø 29.81*7.2M, Inner storage tank: Ø 25.99*10.2M.

Installation finished: August 2016





Project reference – North America

CENTER ENAMEL

White Glass Fused to Steel Tank - Arkansas, USA

1st phase:

GFS tank with enamel roof & floor : Ø 3.82*3.6M
GFS tank with enamel roof & floor : Ø11.46*7.8M
GFS tank with enamel roof & floor: Ø 10.7*7.2M
GFS tank with enamel roof & floor: Ø 3.06*2.4M

2nd phase:

drinking water storage tank : Ø 20.64*7.2m

Installation finished: December 2015



Project reference – North America

CENTER ENAMEL

Fire Water Storage Tanks in Southern California - Porsche Speedway

Project Details:

Water storage tank: Ø 7.62*8.5M
Water storage tank: Ø 4.59*3.6M

Installation finished: October 2016



Project reference – North America

CENTER ENAMEL

Two Portable Water Storage tanks – Yukon, Canada

Project Details:

GFS tank with enamel floor : 12.23*5.4 M
GFS tank with enamel floor : 12.23*7.8 M
Roof type : enamel roofs
Installation Finished on 2018







Project reference - Oceania

CENTER ENAMEL

Drinking water storage tank – Melbourne, Australia

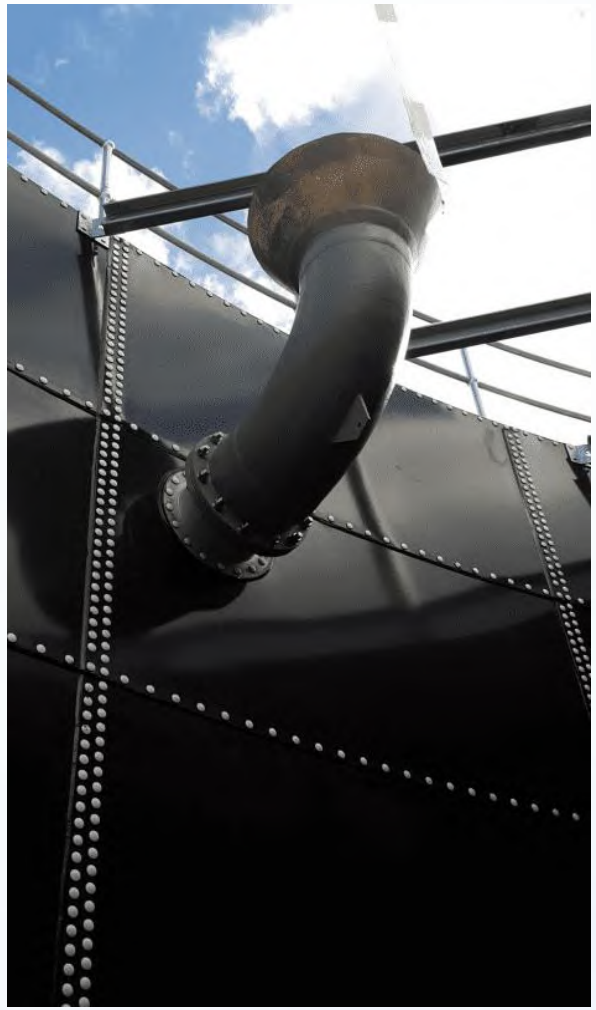
Project Details：

2 sets of Drinking water storage tanks Ø 22.17*6M

Roof type: aluminum alloy deck roof

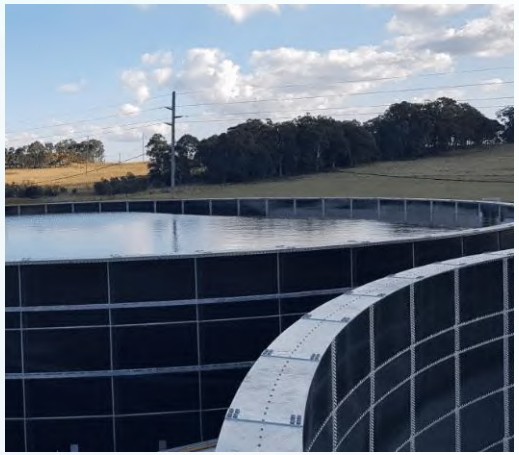
Installation finished: April 2016





Project reference - Oceania

CENTER ENAMEL









2*10ML Water Storage Tanks

NSW government site
Sydney, Australia

Project Details:

Tank size : Ø 46.62*6.6M

Roof type: Open tank without roofs

Installation finished: Aug., 2020

Project reference - Oceania

CENTER ENAMEL



Filtered Water Storage Tank - Wallen, Australia

Project Details：

Tank size : Ø 17.58*3M

Roof type: Aluminum alloy deck roof

Installation finished: March, 2015

Project reference - Oceania

CENTER ENAMEL



WWTP Water storage Tank - Muswellbrook , NSW, Australia

Project Details：

Tank size : 25.99*6.6M

Roof type: Aluminum alloy deck roof

Installation finished: March, 2017

Project reference – Europe

CENTER ENAMEL

France Biogas Plant

Application: Biogas Anaerobic Digester

Tank size: 1pc x Ø15.29 x 15m with SS304 Bolted Roof

Project Location: Plouvorn, France

Installation Time: Dec. 2020







Project reference – Europe

CENTER ENAMEL

Waste Water Treatment Plant – Budapest, Hungray

Application: waste water treatment plant

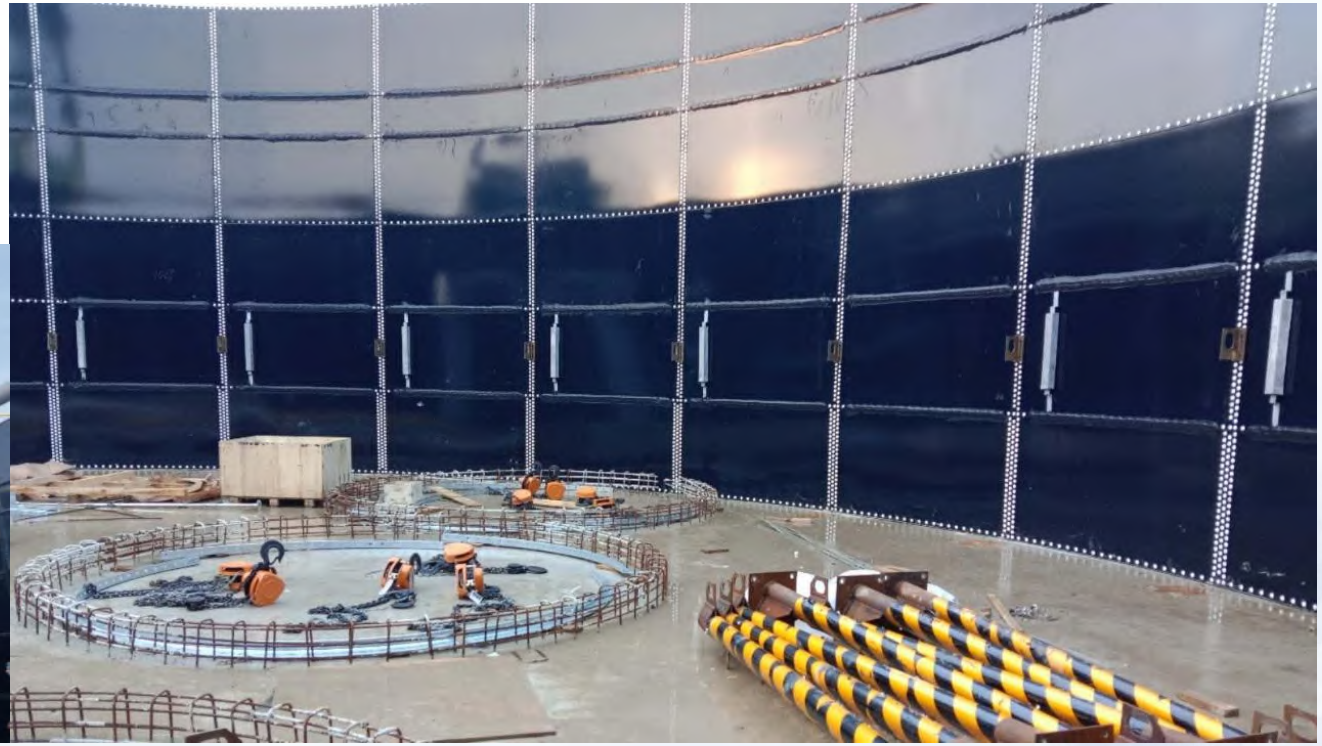
Main Reactor: 1 pc x Ø22.17*6.6m open top

Main Reactor: 4 pc x Ø7.64*5.4m open top

Sludge Buffer: 1pc x Ø3.82*6.6m open top

Installation Time: Dec. 2022





Project reference – Africa

CENTER ENAMEL



ABInBev WWTP Project - Mozambique

Equalization tank: Ø 15.29*7.2M
Buffer tank: Ø9.17*4.8M
Calamity tank: Ø8.4*6.6M
Anoxic Tank Ø4.59*7.2M
Aeration Tank: Ø15.29*7.2M
MBR permeate tank: Ø4.59*3.6M
Sludge Tank: Ø7.64*3.6M
UASB tank: Ø19.87*9M
Roof type: GFS roof or Aluminum alloy roofs

Installation finished since October, 2019

Project reference – Africa

CENTER ENAMEL

Anaerobic Digester GFS Tanks – Swaziland

(the **largest** GFS tank built by Asian GFS tank supplier)

Project Details: 2 sets of GFS tanks: Ø 56.56*8.4M **(21,094m3)**

Roof type: floating roof by others , Installation finisheed: Mar.25th, 2020





Project reference – Africa

CENTER ENAMEL

Textile Industry Parks Waste Water Treatment Project – Ethiopia

Project Details: 23 tanks for 3 textile industrial parks WWTP at Adama, Dire Dawa and Addis Ababa

1 set of tank: 12.23*4.8m
1 set of tank: 19.87*6.0m
1 set of tank: 23.69*7.2m
2 sets of tank: 25.22*4.8m
3 sets of tank: 24.46*6.0m
1 set of tank: 19.11*6.0m
1 set of tank: 8.41*4.2m
2 set of tank: 6.88*3.6m
1 set of tank: 13.76*6.0m
2 sets of tank: 28.28*7.2m
5 set of tank: 3.82*3.6m
1 set of tank: 17.58*6.0m
1 set of tank: 4.59*3.6m
1 set of tank: 6.88*3.6m
Roof type: aluminum alloy roofs
Installation started since June, 2018



Project reference – Africa

CENTER ENAMEL

Niger Azelik uranium deposits tanks

- China National Nuclear Corporation Project

Project Details: 6 tanks of life water & fire water Storage

2 * drinking water tanks Ø 19.86*4.8M
1 * wastewater tank Ø 9.93*4.2M
3 * fire water tanks Ø 9.93*3.6M
Installation finished : November 2009





Project reference – Africa

CENTER ENAMEL

Fire Water Tank – Angola

Project Details:
1 Fire Water Storage Tank with aluminum deck roof
Size: φ11.47*8.4m
Customized color: **Red（RAL3020)**
Installation finished : Feb. 2022





Project reference - Central & South America

CENTER ENAMEL

Ecuador Drinking water storage project
(After the strong earthquake(7.8 grade) in 2016, and it is still stable.)

Project Details:
Tank Qty: 6 sets
Tank size: Ø 18.34*4.8M
Roof Type: aluminum alloy deck roof
Installation finish: January 2016





Project reference - Central & South America

CENTER ENAMEL

Colombia Wastewater Treatment Plant

Project Details:
3 sets of wastewater tank Ø 6.11*7.2M
Roof Type: Glass-reinforced Polyester Roof
Installation Finished on May, 2016





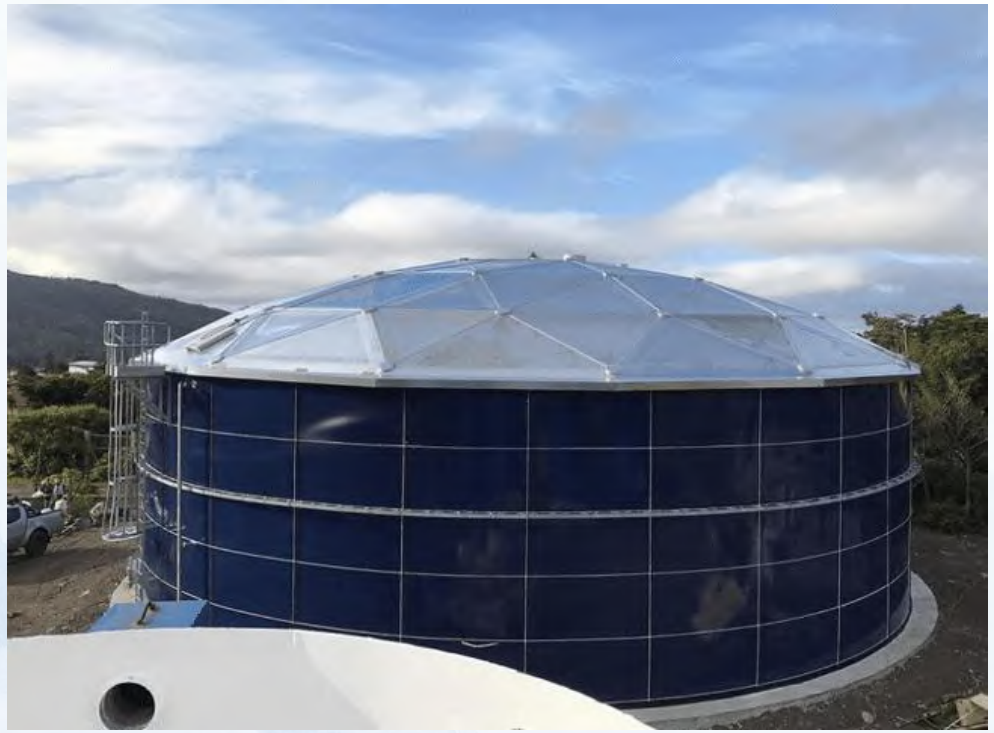
Project reference - Central & South America

CENTER ENAMEL

Panama Drinking Water Storage Project

Project Details:

Tank Model: Ø21.4* 6.0m, Ø19.87*5.4m, Ø6.88*6.6m
Roof Type: Alumino dome roof by others
Installation Date: Nov, 2015





Project reference - Central & South America

CENTER ENAMEL

Panama Drinking Water Storage Project

Project Details:

Tank Model: Ø22.93x4.8M

Roof Type: Alumino dome roof by others

Installation Date: Aug, 2019



Project reference - Central & South America

CENTER ENAMEL

Chile Water Storage Project

Project Details:

Tank Model：Ø12.99x4.8M

Roof Type: SS316 Roof

Installation Date：June 2022



Project reference - Central & South America

CENTER ENAMEL

Colombia Drinking Water Storage Project

Project Details:

Tank Model: Ø19.11×7.2m

Roof Type: Alumino dome roof by others

Tank Color: **inner white, outter cobalt blue**

Foundation: starter ring

Installation Date: Jan., 2021



Project reference - Central & South America

CENTER ENAMEL

Costa Rica Drinking Water Storage Project

Project Details:

Tank Model: Ø12.99* 6m

Roof Type: Alumnum alloy flat roof

Tank color: Sky blue

Installation: Nov., 2016



Project reference - Central & South America

CENTER ENAMEL

Jamaica Drinking Water Tank

Project Details:

Tank Model: Ø10.7×10.8m

Roof Type: aluminum deck roof

Installation Date: Sep, 2017







THANK YOU