



CRIMAR INDUSTRIAL

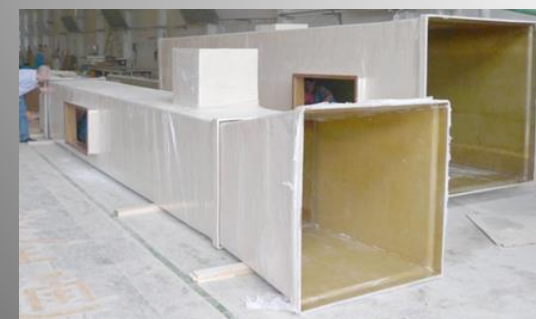
USA, Canada, Chile, China, Mexico, Peru, South Africa
Shijiazhuang Beman Commercial Co. Ltd.

www.crimar.com www.sbcco-china.com



Crimar Industrial for over 25 years has been providing high quality fiberglass industrial equipment (tanks, piping, clarifiers, ductwork, troughs, weirs, covers, scrubbers, custom fabrication, and field installation and maintenance services) to a mining, municipal, petro-chemical and other industrial water treatment applications

Through our subsidiary in China we can negotiate and enforce contracts with all of the rights and privileges of a Chinese company and provide complete quality control and expediting services.



Background

President

Roger Beman

- Over 25 years of experience in the design, manufacture and installation of industrial FRP products for corrosive environments
- Over 30 years of international sales and purchasing experience
- Fluent in English, Spanish & French

Our regular customer base includes companies such as: GE Water, M3 Engineering, FLSmidth, Phelps Dodge, Jacobs Engineering, Biorem, WesTech, Siemens/US Filter, Walsh Construction, Ferguson Waterworks, and many others.



350,000 gal. potable water tank Arizona



Field wound process water tank Syria



25' dia. FRP clarifier California

Background

Sales & Support:

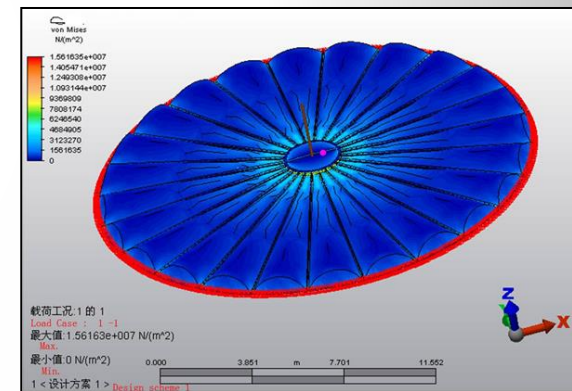
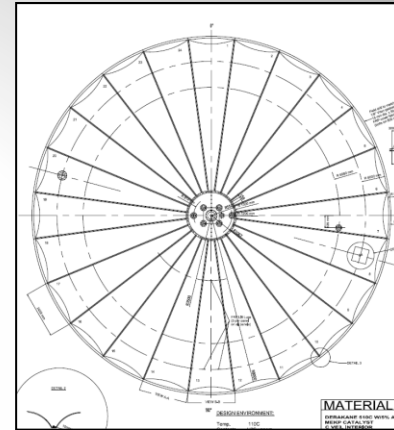
We have sales & support offices in the USA, Australia, Brazil, Canada, Chile, China, Mexico and Peru

Design:

While we have extensive internal expertise in fiberglass design and fabrication, we also have the full support of the design center at our subcontract facility in China that produces over 60,000 tons of fiberglass products annually as well as of companies in the US that specialize in fiberglass design and inspection services.

Fabrication:

Depending on the project size and location we either fabricate at one of our contract manufacturing facilities in the US, Mexico or China



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We ship high quality FRP equipment for projects around the world. Each of the facilities fabricates to international standards, the selection of the facility is based on offering the best overall delivered cost to our customers.



Clarifier liner and internals



19 km. of 3.1 M water pipe



Tank farm of field wound tanks



60' dia. clarifier cover



Effluent piping Indiana



FRP tanks for Arizona mine

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4 feedwell and reaction wells sets with troughs and piping for 85' dia. clarifiers in Australia



Two 120' diameter trough, weir and drop out systems for Puerto Rico

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FRP Biofilters for Canada

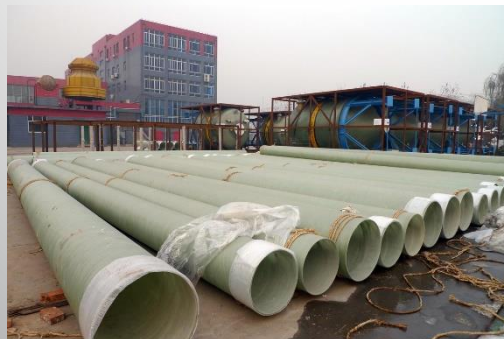


Fumes scrubber



FRP duct for wastewater treatment plant in Arizona

Piping systems for Madagascar



One of 29 automated pipe winders



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Overflow boxes



Weirs



Troughs with weirs



Four effluent piping systems for Indianapolis

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We provide FRP process equipment, tanks and internals for many of the international leaders in water treatment systems



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CRIMAR INDUSTRIAL

We can provide world-wide on-site assembly and installation services



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Field installation of large diameter tanks oblated for shipment and field assembly.

Shop fabrication in Hebei, China for shipment to Arizona:



Removing tank parts from the shipping frame in Arizona and assembling on site:



Fiberglass Design Standards

ASME RTP -1 - Fabrication Standard for Corrosion Resistant Fiberglass Vessels

ASTM 4097 – Standard for Filament Wound FRP Tanks

ASTM 3299 – Standard for Contact Molded FRP Tanks

NBS PS 1569 – Contact Molded Chemical Process Equipment

AWWA D120-09 – Standard for Thermoset FRP Tanks

SMACNA – Sheet Metal and AC - Fiberglass Ductwork

API 12P – American Petroleum Institute Standard for FRP Tanks

Fiberglass Fabrication

FRP = **F**iberglass **R**einforced **P**lastic

Fiberglass products are made by applying glass fibers to a liquid plastic resin then curing the plastic through the use of hardeners.



FABRICATION METHODS



Filament winding
Chopper gun
Hand lay up
Resin Transfer
Pultrusion



FABRICATION METHODS



FABRICATION MATERIALS

- RESINS FOR CORROSIVE ENVIRONMENTS:
- EPOXY VINYL ESTER:
 - Options: HIGH TEMPERATURE
 - FIRE RETARDANT
 - FLEXIBLE
 - HIGH CORROSION RESISTANCE
- ISOPHTHALIC POLYESTER
 - Options: FIRE RETARDANT
 - HIGH TEMPERATURE

FABRICATION MATERIALS

GLASS REINFORCEMENT:

Roving

Mat

Woven roving

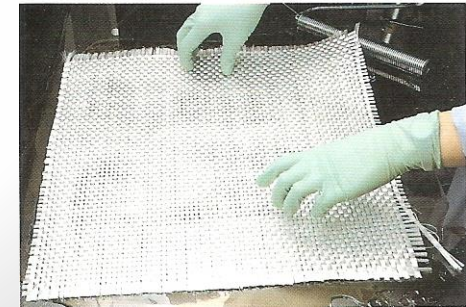
Surfacing veils

ADDITIVES:

Antimony trioxide

Silica carbide

Ultraviolet ray inhibitors





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SHIJIAZHUANG BEMAN COMMERCIAL CO. LTD.



We can help you from the beginning of the project through completion.

We can assist with the design, fabrication, and shipping of the products sold. Where appropriate we can also provide on site fabrication or assembly.

Once the installation is complete, we can provide ongoing support and maintenance services.

How can we help YOU?

Offices in the US, China, Canada, Chile, Colombia, Peru and South Africa

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