



CHEMPOSITE INC.

ENGINEERED COMPOSITE PRODUCTS FOR INDUSTRY

CHEMPOSITE®



Chemposite® is an industry leader in the design, engineering, manufacturing, and supply of corrosion-resistant fiberglass reinforced plastic (FRP) and advanced composite for a wide range of industrial applications since 1982.

WHY CHEMPOSITE?

At Chemposite, we pride ourselves on exceptional service. Behind our quality products, you will find a team of dedicated professionals serving you before, during and after sales!

Over 30 years of experience serving industries worldwide.

Strong R&D ability and professional engineering team with full project experience.

To the latest ISO 9001 certified, state of the art manufacturing facilities supply any projects worldwide.

On-site assistance with fabrication and installation. Even after your equipment is shipped, our service continues. Our experienced field service team is available worldwide to supervise or assist with installation, thus ensuring product life and performance.



Design | Fabricate



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Industries served

Water and Wastewater Treatment

Pulp and Paper

Metals and Mining

Chemical Processing

Oil and Gas

Food Processing

Military and Defense

Technical Service



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Canada Head Office



Since 1982, the company has grown from a local fabrication shop in Delta, British Columbia, Canada to a multi-national corporation with factories, manufacturing alliances and representation worldwide.



Our 15,000 ft² operation and manufacturing facilities cover 1 acre of land, with manufacturing capabilities including contact molding, filament winding, chopper gun spray up and parts assembly.

We have standard sizes of stock items which can deliver to our US & Canada clients instantly to meet their urgent demands.



We pride ourselves on our strong and capable engineering team with decades of design experience.

Our professional engineers are registered in several Canadian provinces





In 1992, Chemposite established a solely owned manufacturing plant in Zhongshan, China. The facility is certified to the latest ISO 9001, has since completed many international projects for our clients worldwide.

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China Facility

The 100,000 ft² operations and manufacturing facilities cover an area of 15 acres of land, with processing of contact molding, filament winding, chopper gun spray up, Vacuum Infusion Process (VIP), Compression Molding, Resin Transfer Molding (RTM), Metal fabrications and parts assembly.



The state of the art China facility is a strategically located manufacturing center with a private loading dock for cargo ships up to 1500 MT capacity .



Our QA/QC Department ensures that all products are manufactured to your required specifications. Whether manufactured to corporate specifications, industrial or government standards. We welcome third party inspections at our manufacturing facilities.

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Tanks and Vessels

Our storage and process tanks, as well as the systems are designed to handle an array of corrosive chemicals in harsh environments. Based on your facility's unique conditions, our team of engineers will work closely with you to determine the corrosion liner requirements, structural wall thicknesses, suitable resins and any additives to be applied.



TANK TYPES

- Chemical Storage Tanks
- Pressure Vessels
- Pump Stations & Basins
- Mix Tanks

TANK DESIGN

- Vertical & Horizontal Tanks
- Dome, Flat & Conical Roofs
- Open & Closed Top
- Rectangular Shells
- Cylindrical Shells
- Flat & Sloped Bottoms
- Agitator Supports



PRODUCTS AND SERVICES

- Pressure Pipe & Fittings
- Square & Round Duct
- Manways & Covers
- Engineering of FRP Piping and Support Systems
- Preparation of installation and spool drawings
- Prefabrication and jointing, spooling at plant or site

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Pipe, Duct and Stack



Our scrubber products reduce environmentally hazardous air emissions for both indoor and outdoor facilities.

Chemposite will build the equipments to your design and specification in meeting your clients' requirement. Our products are installed and operating in numerous industries worldwide.

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Scrubbers, Tower Internals and Carbon Adsorbers



PRODUCTS

- Chemical Scrubbers
- Packed Towers
- Stripping Towers
- Activated Carbon Absorbers & Filters
- Absorption Towers
- Mist Eliminator Housings



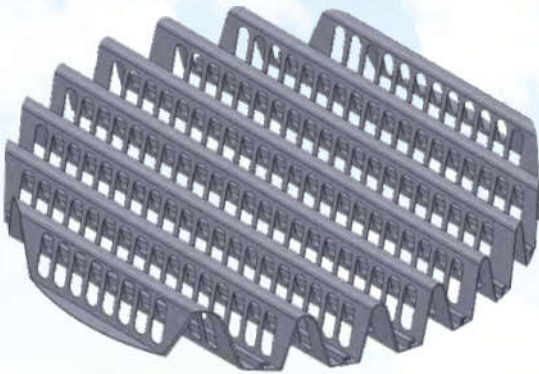
SCRUBBER INTERNALS (Standard or Custom designed)

- Multibeam Packing Supports
- Weir Troughs / Liquid Distribution Troughs
- Gas Diffusion Plates
- Bed Limiters
- Packing Support Grates
- Internal Piping & Spray Header Assemblies



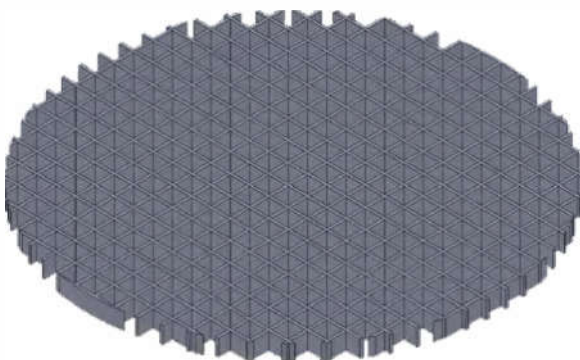
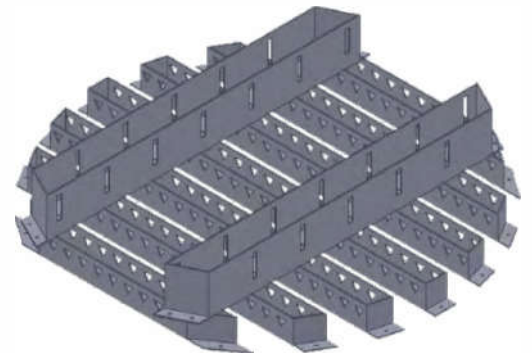
Multibeam Packing Supports

TOWER ID	MULTIBEAM OD	NUMBER OF BEAMS	SUPPORT LEDGE MIN	SUPPORT BEAM	BEAM HEIGHT	ALLOWABLE LOAD(1b/ft ²)
24"	23"	4	13/4"	N/R	N/R	400
36"	35"	5	13/4"	N/R	N/R	400
48"	47"	7	2"	N/R	N/R	400
54"	53"	7	2"	N/R	N/R	350
60"	59"	7	2 1/2"	N/R	N/R	300
72"	71"	8	3"	1	4"	380
84"	83"	9	3"	1	4"	380
96"	95"	10	3"	1	6"	380
108"	107"	10	3"	1	6"	380
120"	120"	11	3"	1	8"	400
144"	144"	11	3"	1	8"	350



Distribution Troughs

TOWER ID	TROUGH ID	IRRIGATED ID	NO.OF TROUGHS	NO OF PARTING BOXES	SUPPORT LEDGE (MIN)	MIN GPM	MAX GPM
36"	35"	31"	5	2	2"	160	280
48"	47"	43"	5	2	2"	240	350
54"	53"	49"	5	2	2"	320	450
60"	59"	59"	5	2	2"	500	800
72"	71"	71"	6	2	2"	800	1500
84"	83"	83"	6	2	2"	1400	2200
96"	95"	95"	7	2	2"	1800	2700
108"	107"	107"	8	3	3"	2100	3200
120"	119"	119"	8	3	3"	2750	4300



Bed Limiters

TOWER ID	PLATE OD	NUMBER OF SECTIONS	DIAMETER OF ACCESS
24"	23"	2	14"
36"	35"	2	23"
48"	47"	3	18"
54"	53"	3	20"
60"	59"	3	24"
72"	71"	4	20"
84"	83"	4	24"
96"	95"	5	20"
108"	107"	5	24"
120"	119"	6	24"
144"	143"	7	24"

Standard openings are 1 1/2" x 1 1/2" with 70% free area. Special order for 2" x 2" openings with 73% free area is available upon request.

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Hoods and Covers

Our FRP hood and cover systems are designed to reduce foul air emissions for a safe, clean environment.

Our services include: on-site visits and meetings, site measurements, design and engineering, precision mold building, equipment fabrication and installation supervision.



PRODUCTS

- Bleach and Brown Stock Washer Hoods
- Paper Machine Canopies
- Aeration Tank Roofs
- Sediment Tank Covers
- Effluent Pond Covers
- Fan Covers & Housings
- Walkway Covers
- E-Z Slide Covers for Wastewater
- Treatment Plant applications





With over 20 years of experience in air movement control products, our dampers are designed to meet operating conditions and industry standards.

As a member of AMCA (Air Movement Control Association), Chemposite® has one damper licensed for Air Leakage Performance through AMCA International's Certified Ratings Program.

Our dampers meet the AMCA's highest classification "Class 1A", according to the AMCA Standard 500-D.

Our high quality dampers are made with premium fire retardant vinyl ester resins to meet the Class 1 flame spread rating according to ASTM E-84.

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Dampers

DAMPER TYPES

- Volume Control Dampers
- Air Seal Dampers
- Back Draft Dampers
- Manual or Actuator Controlled Dampers
- Multi-blade Dampers

The following dampers are licensed for Air Leakage Air Performance:

Model AC510 Fiberglass Air Seal Dampers

Our licensed models can be found in "Licensed Products" under Chemposite Inc. on AMCA International's website (www.amca.org).



DAMPER SIZES

- Both metric and imperial measurements are available
- Both round and rectangular dampers are available

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Platform and Flooring

Safe and easy access to equipment is an integral part of plant operation and imperative in today's industrial environment.

Our walkway systems, stairs, railings, ladders, and platforms are designed and fabricated to fit new or existing equipment.

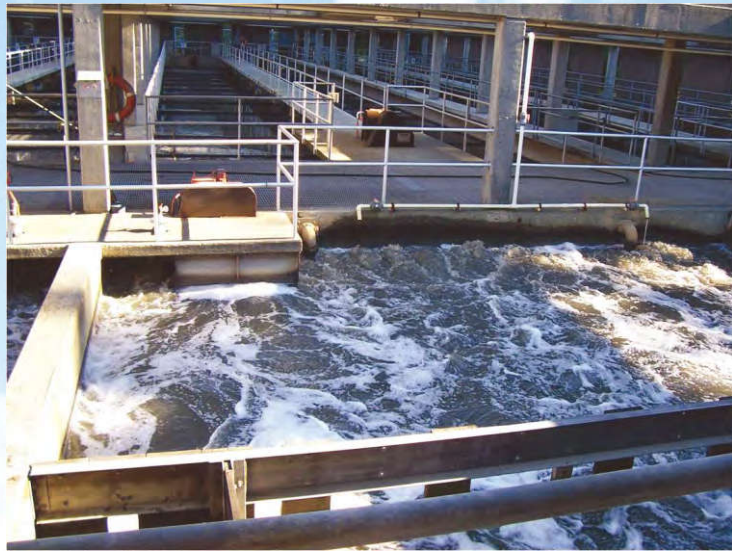
Our standard molded and pultruded grating is available in a variety of types and sizes to meet your individual needs.



PRODUCTS

- Straight & Safety Cage Ladders
- Stairways & Steps
- Hand Railings & Guard Rails with Kick Plates
- Checker Plate Covers
- Equipment Platforms
- Flooring





Chemposite T-Deck systems are the solution wherever systems are subject to corrosion, rapid deterioration and constant maintenance problems.

The characteristics of resin and glass composite technology and advanced manufacturing techniques used in the production process make FRP T-Deck products ideal for a wide range of applications:

- Flooring
- Stairs and Platforms
- Ramps and Walkways
- Bridges
- Equipment Covers
- Tank Covers
- Trench Covers

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T-Deck

OPTIONAL FEATURES

Fire Retardant

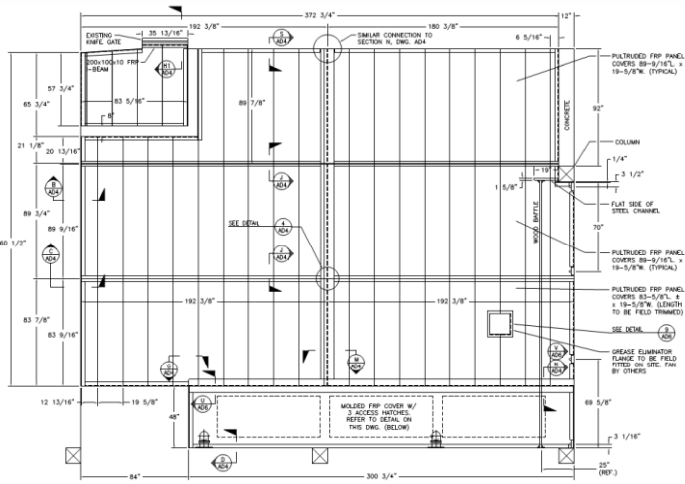
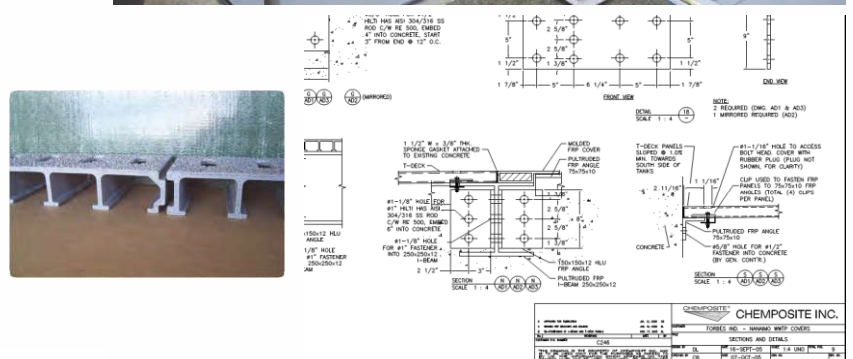
Tested in accordance to the ASTM E-84 Tunnel Test Method, a Class 1 Flame Spread Rating of 25 or less was achieved for our standard flooring and cover products.

Slip Resistant

Silica sand is added to the flooring surface to provide a durable, non-slip surface for traction and safety. Evenly located perforation on the panel surface (optional) will eliminate the condensation of any liquid or rainwater.

Air Seal

To further prevent the escape of poisonous or odorous gas into the environment, a sealing gasket along the interlocking tongue and groove interface can be attached between each panel. A Z-Beam™ support can also be installed around the perimeter of any tanks or equipment to allow a gas tight seal at the panel ends and permit installation while the tank is in operation. Furthermore, the Z-Beam™ can accommodate any irregularities along the mounting surface and the sealing strip can provide a gas tight seal to the equipment or tank.



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Custom Fabrication and Field Installation



Chemposite products and equipment are installed around the world by design and engineering firms, original equipment manufacturers, fabricators, and end-users. Our marketing and technical teams are available to discuss your requirements for a custom-engineered product, or to work with you to enhance your product lines and meet your specific objectives.

PRODUCTS

- Cooling Towers
- Recovery Boiler Ductwork
- Weir Troughs & Gates
- Pump Stations & Basins
- Structural Forms & Shapes
- Sandwich Core Panels
- Acoustic Shields & Covers
- Flumes & Baffles
- Precipitators & Stacks
- Explosion Hatches & Cell Covers
- Pressure Vessels and Filters





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