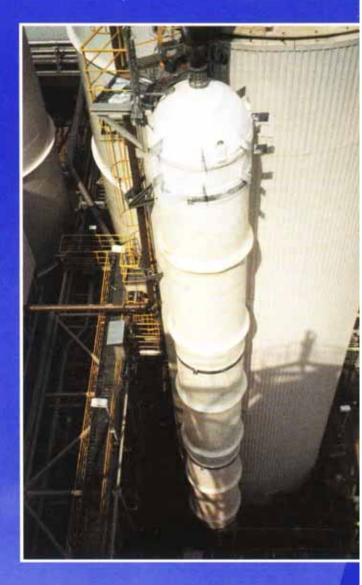
- ➤ Filament Wound Pipe
- ➤ Contact Molded Pipe
- ➤ Tee
- ➤ 45° Lateral
- ➤ 90° Elbow
- ➤ 45° Elbow
- ➤ Concentric Reducer
- ➤ Eccentric Reducer
- ➤ Full Face Flange



CHEMPOSITE™

FIBERGLASS PIPING & DUCTING

- ➤ Vanstone Flange
- ➤ Blind Flange



STAR GLORY TECHNOLOGIES LTD Room 1702, 17/F., Workingberg Commercial Building, 41-47 Marble Road,

North Point, Hong Kong. Tel:(852) 3427 5028 Fax:(852) 2146 5050 Email: info@starglory.net

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1 CHEMPOSITE EXPERIENCE

For over two decades *Chemposite* has been designing and manufacturing fiberglass reinforced plastic (FRP) products for a wide range of industries including oil & gas, pulp & paper, mining & chemical, waste water treatment, food processing and manufacturing.

Our full line of FRP products include piping, ducting, tanks, hoods, covers, scrubbers, walkway systems and custom fabrication.

Our team of professional mechanical, composite and chemical engineers combine knowledge and experience to design cost effective solutions from standard applications to the most demanding environments.

2 CHEMPOSITE VALUE

Superior quality, excellent price and on-time delivery is our goal. *Chemposite's* leading edge FRP manufacturing process uses advanced filament winding techniques to produce high quality products at a competitive price. With strategically located manufacturing plants in North America and Asia, and a commitment to research and development, value is built into every *Chemposite* product.

3 CHEMPOSITE GUARANTEE

Backed by our quality assurance program, one-year standard warranty, and excellent track record, your confidence in all *Chemposite* products and services are guaranteed.

4 CHEMPOSITE PIPE & DUCTING PRODUCTS

Our full line of corrosion resistant pipe and fittings are available in standard sizes from 1" diameter to 60" diameter plus custom sizes to meet your specific requirements. Our standard pressure ratings on pipe and fittings range from 50 psi to 150 psi.

Chemposite uses only the highest quality products in our manufacturing process including high grade fiberglass, chopstrand mat, woven roving, continuous roving and premium epoxy vinylester resins for outstanding performance.

CHEMPOSITE

All Chemposite FRP products offer superior advantages including:

Superior Corrosion and Chemical Resistance

Chemposite products are manufactured with premium grade epoxy vinylester resins to meet your most critical application requirements.

Excellent Strength to Weight Ratio, Durability, Impact & Fatigue Resistance

Chemposite FRP pipe and ducting surpasses most conventional piping materials offering super strength, durability, impact and fatigue resistance. FRP pipe and ducting products weigh only 25% of most standard steel products and only 10% of similar concrete products.

High Electrical and Thermal Insulating Properties

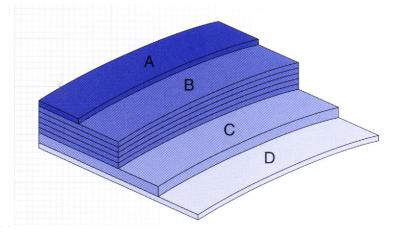
Fiberglass reinforced plastics have superior electrical and thermal insulating properties. FRP pipe and ducting allows for heat absorption, expansion and contraction and are nonconductive.

Techniques and Processes

A variety of processes are used in manufacturing including filament winding, contact molding, contact lamination, and chopper gun spray up. Through planning, process and quality control, trained and experienced personnel, the best possible combinations of processes are used to maximize efficiency and produce premium products.

FDA Approved

Chemposite standard epoxy vinylester resins fully comply with the U.S. Food, Drug and Cosmetic Act as amended under Regulation 21 CFR 177.2420.



- A = Outer Coating resin rich layer contains paraffin wax and ultraviolet absorber additives.
- **B = Filament Wound Structural Layer** standard layer consists of 'N' covers with E-glass continuous roving.

Contact Molded Structural Layer standard layer consists of alternate layers of E-glass 1-1/2 oz./ft² chopped strand mat and 24 oz./yd² woven roving.

- C = Corrosion Barrier standard layer consists of 2 plies E-glass 1-1/2 oz./ft² chopped strand mat.
- **D** = Interior Layer standard layer consists of 1 ply 10 mil thick C-glass surfacing veil.

➤ Options:

- Gelcoat Finish
- Fire Retardant
- Custom Thickness
- Nexus® Veil
- Custom Liner

FABRICATION MATERIAL

Resin Cure System	Premium Grade Epoxy Vinylester			
Accelerator Promoter Catalyst	Dimethylaniline (DMA) Cobalt Naphthenate (CoNap) Methyl Ethyl Ketone Peroxide (MEKP)			
Additives				
Fire Retardant Top Coat UV Inhibitor	Antimony Trioxide / Antimony Pentoxide 0.4% Paraffin Wax Cyasorb® UV-24 Ultraviolet Absorber			
Fiberglass	C-glass surfacing veil Nexus® synthetic veil E-glass 1¹/₂ oz./ft² chopped strand mat E-glass 24 oz./yd² woven roving E-glass continuous roving (Type 30)			

➤ Optional Resins:

- Derakane®
 D411
 D470
 D510A
 D510C
 D510N
- Hetron[®]
 922
 992
 980
 92 series
- ➤ Optional Catalyst:
 - Cumene Hydroperoxide (CHP)
 - Benzoyl Peroxide (BPO)

CHEMPOSITE

Four application types classify *Chemposite* fiberglass piping (FP) and fiberglass ducting (FD); standard premium epoxy vinylester resin, high temperature resistant epoxy vinylester resin. Chemposite product codes for both pipe and ducting for each application type are listed below.

Standard Premium Epoxy Vinylester Resin

- Oustanding resistance to corrosion
- High impact and fatigue resistance
- Excellent electrical and thermal insulation properties
- FDA Approved

High Temperature Resistant Epoxy Vinylester Resin

 Superior resistance to oxidation and mixtures of chemicals including solvents

R= Fire Retardant Brominated Epoxy Vinylester Resin

- Designed for high fire hazard areas
- Excellent chemical resistance and toughness
- Clear liner for better inspection and corrosion resistance
- Structural layer 5% antimony trioxide or antimony pentoxide for Class 1 Flame spread rating

RH= High Temperature Fire Retardant Brominated Epoxy Vinylester Resin

- Designed for high fire hazard areas
- Novalac Backbond for high temperature applications
- Clear liner for better inspection and corrosion resistance
- Structural layer 5% antimony trioxide or antimony pentoxide for Class 1 flame spread rating

Product codes for fiberglass pipe (FP)

S	н	R	RH	Pressure Rating
P 50S	P 50H	P 50R	P 50RH	50 psi
P 100S	P 100H	P 100R	P 100RH	100 psi
P 150S	P 150H	P 150R	P 150RH	150 psi

Product codes for fiberglass ducting (FD)

S	Н	R	RH	Application Type
D 400S	D 400H	D 400R	D 400RH	Ducting