

"Reinforcing Customer Delight Driving Excellence in Fibre Glass"

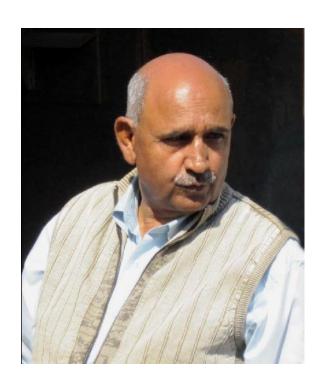
# Who We Are

Coroseal is a rapidly growing name in South East Asia with excellent infrastructure to conceptualize, design and execute small to large projects, specialised in the field of **Fibre Reinforced Plastic (FRP) & Thermoplastics.** 

Over the years Coroseal has become synonymous with commitment to quality, trust and dependability. Coroseal's commitment to providing value to customers is reflected in the innovative solutions, state of the art manufacturing facilities; focus on constant upgradation and keeping abreast of emerging technologies.



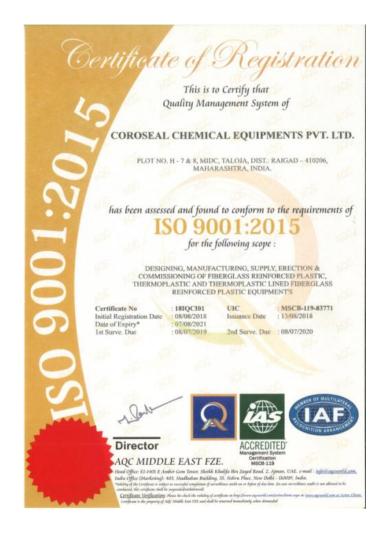
# **About Us**



The company was established in 1983 in a humble setup by Mr. K. S. Rajpurohit, a pioneer in this field. Coroseal grew multi fold at a very fast pace and created state of the art manufacturing facilities, serving its clients with many diversified product lines in Fibre Reinforced Plastic (FRP). For a span of three decades, the company enjoys steady growth.



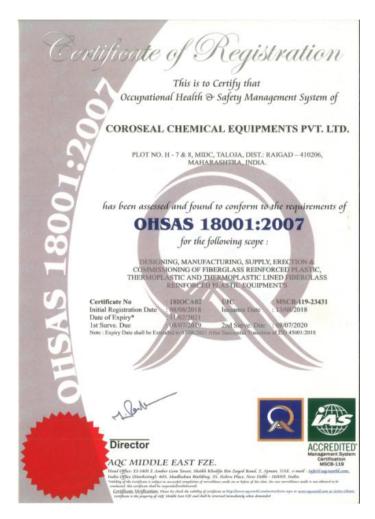
# **Certifications**







# **Certifications**







# **Manufacturing Unit**

Mumbai being commercial capital of India, Coroseal is strategically located at Navi Mumbai, which gives the company an additional edge over the competitors for a quicker delivery, since it is well connected to shipping port (JNPT-30Kms) and convenient transportation facilities by road and rail.





The manufacturing facilities are fully equipped with modern infrastructure to cater to the client's requirement. The company's professionally qualified and experienced engineers and technicians ensure operations and quality control at the highest levels of business performance.



# Mission, Vision & EHS Policy

#### MISSION

To be the Most Reliable, Respected and Cost effective service provider in the Fibre Reinforced Plastic (FRP) market, committed to excellence in delivering Quality Products and Efficient Services for the optimum customer satisfaction.

#### VISION

To be the preferred choice of our Customer in domestic and global markets, driven by entrepreneurial spirit and excellence in execution.

#### **VALUES**

Integrity is the foundation of our business.

Dedicated team members are our greatest resource.

Safety and security is our top priority.

Dynamism permeates in everything we do.

Long term business approach guides our priorities.





#### CORPORATE EHS

Coroseal Chemical Equipments Private Limited is committed to the production of quality Fibre Reinforced Plastic (FRP) Products with excellence in our compliance with Environmental, Health & Safety management system and strive to improve performance on a continual basis.

We shall achieve this with:

MISSION

- Prevention and control of environmental impacts, injuries and ill health through cleaner and safer technologies, effective resources management, pollution prevention, sound operating practices and observing safe behaviors.
- Compliance with statutory provisions pertaining to applicable EHS.
- Strengthen the awareness, skill and competence of our employees, dealers and vendors for responsible compliance.
  - Recognize that work safety is the responsibility and accountability of everyone.

We pledge our commitment towards an effective EHS policy implementation with the participation of our employees and shall make this policy available to all the interested parties.







# **Our Operation**

Coroseal's operation encompasses complete **Design**, **Fabrication**, **Erection**, **Testing** and **Commissioning** of equipment like **Storage Tanks and Vessels**, **Reactors with agitator assembly**, **Pressure Vessels**, **Fume Exhaust System**, **Air Ventilation System**, **Gas Scrubbers**, **Exhaust Blowers**, **Pipes and Fittings**, **Ducts and Fittings and Walkway Gratings**. Coroseal designs and manufactures special equipment to suit client's specifications.

Coroseal boasts of being the premiere company in India to provide end to end solution for Solvent Extraction by developing and manufacturing equipment like Mixer settlers, After Settlers, Coalescers and Centrifugal Extractors



# We Offer





- Material Selection
- AutoCAD Drawing and Drafting
- Calculations
- Detailed Engineering & Design

- On-site Fabrication
- On-site Supervision
- On-site Installations
- On-site Inspection
- On-site Testing



# **Material Of Construction**

We Manufacture Equipment Using

Resins: Isophthalic, Bisphenol, Vinylester, Superior Vinylester, Epoxy, Phenolic

Plastics: PVC, CPVC, PP, HDPE, PVDF, ECTFE, Teflon

**Dual Laminate :** PP/FRP, PVC/FRP, CPVC/FRP, PVDF/FRP.

Also with Acrylic, Polycarbonate, MS, SS etc.



# **Quality & Compliance**

All Equipment's laminated are subject to following tests

> Tensile

➤ Compressive Strength

➤ Glass Content

Barcol Hardness

Acetone

➤ Lap Shear

> Thickness

➤ Dimensional

➤ Spark Test

> Hydrotest

Detailed QC / QA plan is made available on buyers request.



# **Product: Tanks & Vessels**

Coroseal designs and manufactures FRP / GRP Tanks to handle an array of corrosive chemicals in harsh environments in a wide range of shapes, sizes and configurations.

The tanks are manufactured mainly by Hand Lay-up and filament winding processes. BS4994 still remains a key standard for this class of items, but Coroseal can also design tanks as other prevalent standards in market. At Coroseal, we can fabricate and Supply FRP tanks of any diameter. Tanks up to capacity of 150 m3 are fabricated at our facility and tanks above 150 m3 are fabricated at client's site.





# **Product: Tanks & Vessels**

#### Tank Types

- Pressure Vessels
- Storage Tanks
- Pulp Storage Tanks
- Reactor vessels
- Electrolysis Tanks

## Tank Design

- ➤ Dome, Flat & Conical Roofs & Bottoms
- Open & Closed Top
- Rectangular Shell
- Cylindrical Shell
- Flat & Sloped Bottoms

Coroseal can provide custom-made fittings for all tanks. Flanged nozzles, threaded couplings, access and view ports, level gauges, internal baffles, agitator supports, ladders, platforms and handrail systems, are among the accessories that we offer.



# **Product : Pipes / Duct & Fittings**

Coroseal designs and manufactures FRP / GRP Pipes and fittings for variety of applications. Coroseal can fabricate pipe and duct of any diameter and up to standard length of 40 feet. The pipes and duct are manufactured mainly by Hand Lay-up and winding filament processes depending on design conditions specified. To reduce field assembly time and project cost, Coroseal can fabricate pipes as per drawings provided as per site conditions at our facility in the practical shippable longest lengths. Joints either can be butt & wrapped or flanged.



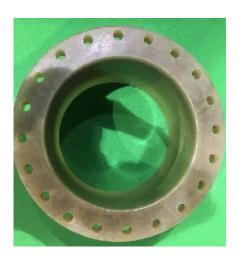
FRP pipes and duct outperforms other material of construction in a broad spectrum of corrosive environment and temperature. These pipes and ducts are mechanically very strong and can tackle high pressure and vacuum.



# **Product : Pipes / Duct & Fittings**

# **Range Of Fittings**

- **Elbow**
- Concentric / Eccentric Reducers
- Full Face & blind Flange
- Stubend With Loose Backing Flanges
- Equal & Unequal Tees
- Spool Pieces
- Headers











#### **Product: FUME EXHAUST SYSTEM**

Coroseal designs and manufactures wide range of fume exhaust systems for expelling out hazardous acid and chemical substances from the gas stream for both indoor as well as outdoor facilities. These units could either be of the usual standard size or could be customised (as to comply with the space, height, layout preference) on order.

Coroseal delivers complete solution based exhaust fumes through:

#### **Exhaust Blowers:**

Coroseal designs & manufactures fabricated centrifugal exhaust blowers with high quality corrosion resistant housing, constructed for FRP. Exhaust blowers dissipate most chemicals and ideally handles corrosive gases emitted typically in various industries. (for higher flow custom built design is offered up to100000 m3/hr) Pressure from 25 mm WC to 600 mm WC (for higher pressure up to 800 mm WC, custom built design is offered)





#### **Product: FUME EXHAUST SYSTEM**

#### Scrubber:

Coroseal designs & manufacturers various types of scrubbers (both vertical and horizontal ones) based on our clients needs and requirements. Materials for construction used varies depending on the chemical and process environments required. Fume scrubbers(a type of scrubber) manufactured by Coroseal are individually designed to extract mist, entrained liquid particles, poisonous corrosive gases and vapors from the air stream. A packed bed laid in the scrubber is the soul of the scrubber. Scrubber also helps the pollutant gases which can generally be removed from any desired concentrations to meet local air pollution regulations



## **Duct & Fittings:**

Coroseal manufactures duct systems in various shapes and sizes according to the requirements of the client. FRP ducts are usually manufactured with a round cross section. However, oval and rectangular ducts are also available with fittings suited for any configuration. Coroseal ducts are available with range of fittings such as Elbow, Reducer, Flange, Tee, Dampers.

#### **Product: FUME EXHAUST SYSTEM**

## Stack / Chimney:

Coroseal designs & manufacturers fiberglass chimneys and stacks that are either free standing or supported. We have experience to design virtually (any size) necessary to accommodate the exhaust stream for almost any process. Such stacks are manufactured using filament winding or hand lay-up techniques. Joints are either butt & wrap type or of flanged connections. These Stacks can be fitted with grounding systems, lights, ladder and platform systems, guy cables, and support rings along with many other accessories to meet the customer's requirements.

#### Hoods:

FRP is the best material identified so far in case of manufactured tailor made hoods, due to its life and fabrications. We at Coroseal offer hood systems designed for specific emissions depending on their characteristics.

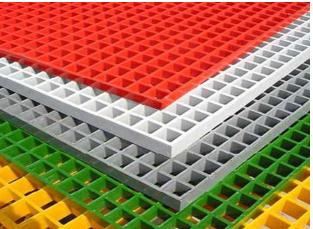






# **Product : Custom / Tailored Made**





# **Range Of Products**

- Reactor Vessel with Agitator, Motor Assembly
- Walkway Gratings
- Motor Canopies
- Tank Covers
- Launders
- Roof Sheets





# **Executed Orders:**





**Client :** Thermax Limited | **Equipment :** 100 m<sub>3</sub> Caustic Storage Tanks

**Scope**: Design, Fabrication & Supply



# **Executed Orders:**





Client : Alkyl Amines Limited | Equipment : 200 m3 Caustic Storage Tanks

**Scope**: Design, Fabrication & Supply

# **Executed Orders:**





Client: Hindalco Industries (Birla Copper) | Equipment: 40 m3 Double Jacketed Storage Tanks

**Scope**: Design, Fabrication, Supply & Erection



# **Executed Orders:**





**Client :** Siemens Limited | **Equipment :** 125 m3 Sodium Hypochlorite Storage Tanks

**Scope**: Design, Fabrication, Supply & Erection



# **Executed Orders:**





Client: TPSC (India) Pvt. Ltd. | Equipment: FRP Pipes & Fittings

**Scope**: Design, Fabrication & Supply.



# **Executed Orders:**





**Client**: ISGEC Heavy Engineering Limited | **Equipment**: FRP Pipes & Fittings

**Scope**: Design, Fabrication & Supply.



# **Executed Orders:**



**Client**: Hindalco Industries Limited (Birla Copper) | Equipment: PP / FRP Duct & Fittings

**Scope**: Design, Fabrication, Supply & Erection.



# **Our Cliental**

We provide our services to many leading organizations.

Some of our prestigious clients









































# **Contact Us**

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# Thank You