

I ❤️  
COMPOSITES®





## Carbon Fibre

Kemrock commissioned India's first CARBON FIBER FACILITY with technical know-how from CSIR-National Aerospace Laboratories, Bengaluru, which would serve the Defence, Aerospace, Wind Energy, Infrastructure, Automobile, Marine and Medicare Sectors to lead the nation towards self-sufficiency in Carbon Fibre Technology. The carbon fibre manufacturing facility is fully integrated, which includes polymerization, wet spinning, oxidization & carbonization and all utilities for effluent & waste management.



## Railway Interiors & Exteriors

Kemrock has used innovative techniques to produce rail coach interiors & exteriors that are safe, meeting the highest international standards. Engineering performance in an aesthetically pleasing package supported by a well-equipped R&D facility, ensures high quality components like Driver consoles, Flooring systems, Toilet modules and interiors for the mass transportation sector. Kemrock was the first, and remains the only Indian composite manufacturer to be certified by **IRIS (International Railway Industry Standard)**.



## Rotor Blades, Nacelle Covers & Nose Cone

With over 28 years of product development experience in the field of Composite Technology, Kemrock has established a state-of-the-art Rotor Blade manufacturing facility for windmills. Kemrock is producing the highest quality composite products to support the development of the ever growing and increasingly demanding wind energy market. With highly skilled professionals, having extensive knowledge of aerodynamics, composite material and production technology, Kemrock is poised to serve the domestic & international wind energy sectors.



## Industrial Cable Management Systems

A Cable Tray System is an assembly of units/sections and associated fittings forming a rigid structural system used to securely fasten or support cables and raceways. Kemrock's Composite Cable Management Products are used to contain and distribute cables. Over and above being tough, these are light weight, easy to install, provide high dimensional stability and structural integrity. They are non-conductive, safe and deliver unmatched performance.



## GRP Piping Systems for Infrastructure & Sewage

At Kemrock, we manufacture Glass Fibre Reinforced Epoxy/Polyester Pipes using the filament winding process. Kemrock is amongst the very few GRE/GRP pipe manufacturers in the world who produce their own thermosetting resins such as Polyester, Vinyl Ester and Epoxy Resins for use in composite pipe manufacture. Pipes of diameter 25mm to 3000mm and a full range of flanges & fittings are manufactured in 'state-of-art' CFW/HW machines.



## Moulded & Pultruded Gratings

Kemrock is a major manufacturer of moulded gratings, which are produced under a strategic alliance with M/s. Fibergrate Composite Structures, USA. Kemrock's subsidiary M/s Top Glass S.p.A. (Italy), is one of Europe's leading supplier's of moulded and pultruded gratings. Supplied from their Pioltello distribution centre, TopGrid gratings meet the specific demands of the European market.



## Pultruded Structural Profiles

Kemrock's plant is one of the largest Pultrusion manufacturing facilities in the world. M/s. Top Glass S.p.A. (Italy), provide the cutting edge technology in Pultrusion and Pull-winding processes. Kemrock's large production capacity, coupled with its in-house raw material manufacturing capability, offers commercially competitive and technically superior pultrusion solutions like Composite Car parks, Telecom towers, Cooling tower components Decking systems and many complex structural profiles.



## Lighting / Utility Poles & Flag Masts

Top Glass S.p.A., Italy is a world leader in the production of lighting poles, using the centrifugal casting process. Kemrock now uses this technology to cater to the Indian market for the supply of Lighting / Utility Poles & Flag Masts. They find particular favour in areas of high corrosion, such as coastal regions, or industrial complexes such as fertilizer plants.



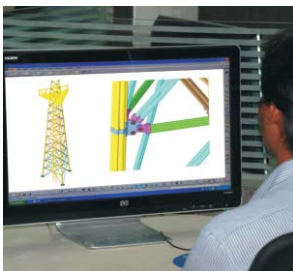
## Access Systems **EASY Reach**

FRP Composite Access Systems are not only tough and durable, but light weight too. They are modular and highly portable, hence provide access to the most inaccessible areas. These systems can be customized and are suitable for both indoor & outdoor applications, especially in hazardous environments when working with over-head power lines.



## Handrails and Ladder Systems

Kemrock produces a complete range of composite handrail and ladder solutions for access engineering applications. Supported by its Design Team in Vadodara and latest softwares viz. 3D & FEA, Kemrock is able to provide full confidence to its clients.



## Application Development & Design Centre

Kemrock Operates a fully equipped application development centre, providing Product Development, Destructive and Non-Destructive Testing, to support our internal activities and to also address the pressing and exacting requirements and applications of our partners and customers.



## Thermosetting Resins : Unsaturated Polyesters, Vinyl Esters, Epoxy & Phenolic Resins

Kemrock offers a comprehensive range of high-performance thermosetting resins viz. Unsaturated Polyesters, Vinyl Esters, Phenolic & Epoxy Resins for the composites industry in India. These resins are manufactured at kemrock's most modern manufacturing facilities controlled by precision DCS Systems, delivering batch-to-batch consistency. Approvals by Water Regulations Advisory Scheme (WRAS), Germanischer Lloyd (GL) and supported by a well-equipped R&D facility, ensure that the resins meet customer's expectations.

# A B O U T U S



**Kemrock Industries & Exports Ltd.** manufactures and exports Fiber Reinforced Polymer (FRP/GRP) Composite Products for major industrial sectors such as aerospace, defense, renewable energy, wind energy, railways, chemical processing, oil and gas, water and waste water management, infrastructure, construction, electrical and electronics, marine, telecommunications and many more. . .

A leader in the field of composites in India, the company delivers standard as well as customized solutions that are ideal replacements for conventional materials. The State-of-the-Art facility, located close to Vadodara in the western part of India, provides high-quality engineered advanced composite solutions and reliable services, complying with customer specifications as well as national and international standards. The company operates using principles of Total Integrated Management (TIM), ensuring complete customer satisfaction. An end-to-end solution provider, it encompasses conceptual design, prototype development, testing, manufacturing, logistic support, installation and comprehensive after sales service.

Kemrock has the unique distinction of commissioning India's first Carbon Fibre Manufacturing facility to cater to Defence, Aerospace & Infrastructure Sectors.



Since 1963, **Top Glass S.p.A.** has adopted a unique approach to the world of fibre reinforced pultruded composites.

During its 45 years history, the company has developed an outstanding range of composite solutions calling upon professionalism and expertise to meet the challenges and opportunities offered by its valued customers.

In doing so, the company has created an important and viable alternative to profiles that are made using traditional materials.

Today Top Glass operates from two sites close to Milan (Italy), one in Osnago (14.000sqm) and the other in Pioltello (8.000sqm).

Top glass has developed a highly impressive production capacity and dynamically undertake all new challenges by designing complex sections and moulds in its own tool room and choosing the exact material mixes to meet all requirements.

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