

A circular image showing a dynamic splash of water. The water is captured in mid-air, with numerous droplets and a large, turbulent mass of water at the bottom. The color is a deep, clear blue. In the top right corner of this circle, there is a small white circle containing the letters 'EN'.

EN

# Composite Solutions for Water and Wastewater Treatment

# Leading the World of Composites

Exel Composites offers a wide range of products designed for use in the corrosive and demanding environment of Water and Wastewater treatment industry.

## 20 Years of Expertise

The excellent corrosion resistance and light weight makes composites the ideal material for use in the water and wastewater sector. Exel uses only high performance premium grade resins ensuring low water absorption and excellent chemical resistance.

All Exel products feature corrosion resistance, impact resistance and UV resistance. Additionally, we can tailor our products to specific fire performance and conductivity standards. Exel has over 20 year expertise in Water and Wastewater Industry and solutions to this field are constantly supplied to projects worldwide.

In addition to products suited for several application areas, we also manufacture complete composite systems that are supplied in a ready-to-assemble stage, including flooring, platforms, walkways, ladders and cable management solutions. All our products and systems are fully backed by excellent technical support from initial design all the way to installation. All our manufacturing plants are certified to ISO 9001 ensuring the best quality products for our customers.



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We focus on industrial applications from standard shapes to the most challenging solutions and conditions requiring optimum performance.

# Vast Variety of Applications

Advanced solutions of tomorrow are made of rigid and lightweight composite materials. Exel Composites is a leading manufacturer specializing in composite technology, including design, production and marketing of advanced composite products.

## Respecting the Customer Needs

Our global presence and manufacturing sites in seven countries enable flexible and rapid customer service. Most of our solutions are custom-made to meet the specific needs of the specific customer. We also offer certain standard items for quick turn around response. We consider it our quest to design and manufacture products that improve the competitiveness of our customers.



## Excellency in Water and Wastewater Solutions

Composites have proven their worth in the most demanding environments – not only with their superior strength and stiffness, but also with their adaptability and resistance against challenging corrosive conditions. We can provide Water and Wastewater industry with unbeatable, unique solutions.



### **PRODUCTS WITH SEVERAL BENEFITS:**

#### **Corrosion resistant**

Exel uses premium resins to ensure that all components meet the required corrosion resistance in harsh environments.

#### **Light weight**

With the exceptional weight reduction (almost one-third of steel), handling of our components is easy without need for heavy and expensive equipment.

#### **Thermally Non-Conductive**

Thermal insulating materials ensure added worker safety.





## Applications

- Handrails and ladders
- Grating, stair treads and other flooring
- Penstops
- Bottom scrapers
- Settler bridge structures and other access platforms
- Cable managements system
- Odor and manhole covers
- Telescopic toolhandles for sampling and testing



### **High Strength to Weight Ratio**

Stronger than steel on the strength to weight basis.

### **Impact Resistant**

High resistance to impacts.

### **Easy to Maintain**

Maintenance free components without need for painting or extra maintenance ensure also low life cycle costs.

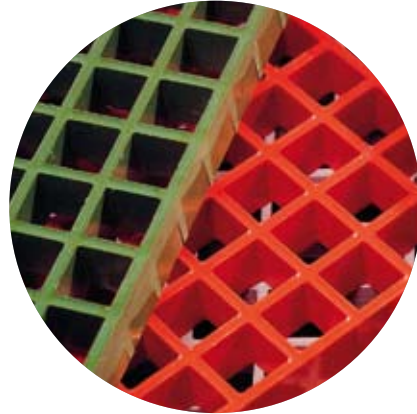
### **UV Resistant**

To maintain excellent weathering properties and resist degradation under UV, our products are formulated with suitable additives.

# Composite Solutions

## Flooring Solutions

- One piece moulded grating or fabricated pultruded grating
- Attractive colors
- Perfectly suited for aggressive environments
- Cost-effective solution
- Available in a variety of sizes optimised for specific load
- Open mesh or closed top finish
- Easy to install/fabricate on site
- Utilizing stainless steel hold down clips for fixing



## Cable Management Solutions

- Complete system with cable ladders, trays, bends, risers, reducers, tees and joining accessories
- Light weight and manageable
- Non-conductive, non-magnetic
- High strength to weight ratio
- Corrosion resistant
- Transparent to RF transmission
- Can be produced to any customer specifications
- Available in a variety of sizes
- Competitive life cycle costs



## Platform, Walkway and Stair Solutions

- Complete system with platform, handrail, access ladders, stairways, treads and joining accessories
- Can be produced to any fire performance standards
- Attractive colors
- Corrosion resistant
- Easy to install
- Cost effective
- Prefabricated modular systems



## Custom Solutions

- FRP weirs and baffles • Bottom scrapers • Deflectors • Odor covers • Grit chambers and oil skimmers
- Complete design, manufacturing and fabrication packages to customer specifications

### Fire Retardant

We can tailor our products to meet any national or international fire test specifications, such as BS or ASTM.

### Easy to Fabricate and Install

Our materials can be cut using ordinary saws with abrasive blades. This will greatly facilitate fabrication and installation.

### Electrically Non-Conductive

Very low electrical conductivity ensures worker safety.

### Attractive Colors

We deliver most of our components in attractive colors to add to their visual appeal.



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Exel Composites is a leading manufacturer of advanced composite products and solutions, meeting the requirements of environmental legislation, rules and regulations. We use only tested materials that are safe for the environment. Composites as material offer ecologically safe and friendly solutions due to their long life and durability.

At Exel we are committed to develop our products and processes in a manner that reduces the environmental impact. The Exel quality and environmental policy complies with the requirements of the standards ISO 9001:2000 and ISO 14001.