

# ERCON COMPOSITES

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*Saving the natural environment by introducing quality new products is our motive.*

## GREEN, ECO-FRIENDLY PRODUCTS

### ERCON FRP Products are Green Products

Ercon proves it a myth that FRP/GRP products are not environmental friendly. Ercon products are eco-friendly green products.

For any product to be eco-friendly, it has to have environmental sustainability, low energy/fuel consumption in production, transportation & installation and low scrap generation. Ercon products have all the above qualities.

The light weight of FRP/GRP products contribute to overall savings, starting from transportation costs to installation costs. Less need for heavy material lifting equipment. Being light

weight, more rigidity and self supporting nature means less dead weight and therefore, less structural material required, eliminating un-necessary resource consumption, leading to overall lower costs.

Ercon products are of high quality, made to last much longer than the normal FRP/GRP products available in the market. Due to longer life cycle these products have an edge over other competing products like-cement, iron, aluminum & wood, being resistant to rust, rot and corrosion. The durability of these products reduces the need to repair, repaint and replace. As a replacement of wood, these products help in eliminating toxins from painting, staining or finishing

or the need for pesticides, being naturally termite resistant.

Save the environment, save nature. Its the natural resources which will determine the future of the earth; Or we will have to bear the wrath of the nature.

A short life cycle means more scrap being generated and therefore, more harm to the environment.

Another advantage of fiberglass is that it is heat insulating. Use of fiberglass allows for a lower requirement of thermal insulation. This thermal integrity of the material minimizes heat loss during winter and heat



FRP/GRP Cable Trays in SRU area of a refinery.



Light weight Structure with Platform and Handrails Complete in FRP in a Plant. - Replacing Steel  
FRP Door & Door Frame - Replacing Wood



# Why Green?

## Care for Nature

Fast disappearing glaciers and forests is causing global warming. There has been a tremendous increase in natural calamities. To top it all, the increase in industrial waste & pollution world wide has created ecological disturbances. Many species of animals & plant world are on the verge of extinction due to this. The fast depleting protective ozone cover is impacting our lives in ways never thought of. Ultra Violet Rays from sun can cause skin cancer. Polluted rivers and lakes are becoming death bed for fishes, oil spillages are playing havoc for the marine life in oceans. Similarly, air and sound pollution are creating problems for the species living on the land (including humans) Animals and birds are increasingly finding their habitats encroached by humans.

We as humans, who have, for our own development, have harmed the nature, and so the responsibility lies on us to change the course of deteriorating environment. To give a better world to our coming generations we all as responsible citizens of this earth, are required to be sensitive towards the nature and need to address this as an Urgency.

A continuous effort is required towards development of eco-friendly technologies and products.

At ERCON, we are conscious about the Nature, and are committed towards developing and promoting Green Products.

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# Environmental Friendly Products - Need of the Time



FRP & WPC Products - Aesthetic, Long Life, Corrosion Resistant, Light Weight & Insulating

## To save against natural calamities, we need to preserve environment.

gain in summers.

Ercon products are a replacement for wood, aluminum, galvanized iron & steel also. Ercon products like door frames, fencing, hand rails, grating platforms, ladders, cross arms, cable trays etc. have a long life, save wood, reduce pollution due to chemicals used in producing galvanized iron, stainless steel & Aluminum.

Ercon products are being used in areas where there is a lot of corrosion, and, therefore, mild steel, wood & aluminum are not suitable and stainless steel is very costly.

The carbon foot print of these products is much less. The

raw material for these products is glass, which is made from silica and the other products are polymers which are a by-product of petroleum products, whereas the energy used for making steel, GI or aluminum is much more and for those products mining is to be done which is again environment detrimental. Being replacement of wood, these products help in saving environment.

**Ercon's sister concern, Chirag Enterprises** has forayed into yet another Green Product made from wood and polymer wastes.

Recycling of plastics has become a challenge for the society today, and we are here to give a solution for these problems. Burning of wood waste is no solution to save environment, Putting it to use is.

