



THE COMPOSITE EXPERT...

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CORROSION FREE **COMPOSITE SOLUTIONS**

# Advantages of FRP/GRP/ FIBERGLASS

-  Corrosion/Chemical Resistance
-  High Strength
-  Light Weight
-  Electrical Non Conductivity
-  Thermal Non Conductivity
-  EMI/RFI Transparent
-  Ease of Fabrication
-  Low Life Cycle Cost
-  Less Environmental Impact
-  Termite Proof
-  Flame Retardant



>> and many more ...



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**FIBERGLASS HANDRAIL & STAIRWAY SYSTEMS**

# FIBERGLASS HANDRAIL & STAIRWAY SYSTEMS

AERON Hand Rail Systems offer now various solution for different situations. All systems are designed and tested according to the relevant standards. Systems are designed to satisfy both the End User in terms of performance as well as the Contractor in term of ease of installation and costs.

## We provide :

- Design/costing services
- Applicable test certificates
- All components in kit form
- Site supervision if required

## Advantages of AERON FRP Handrail Systems :

- Modular for ease of installation
- Lightweight to increase tempo of installation
- Strong enough to take load
- Corrosion resistant
- Thermally non conductive - Perform well in subzero temperatures
- Fire Retardant
- UV Protection
- Electronically Transparent

## Basic Design parameters include :

- Max stanchion centre to centre spacing of 1500 mm.
- Min height above walking surface of 1100mm.
- A minimum service load of  $\text{min}=300\text{N/m} \times \text{max distance (m) between stanchions}$

## Order details required :

- General layout drawing or sketch
- Mounting preference: side mounted, top mounted or imbedded.
- **Colour** : Normally yellow or grey
- Hand rail height
- Design criteria

## Material :

Fibre Reinforced  
Composites

## 3 Systems Available :

Heavy Duty  
Standard Duty  
Economy

## Handrail configuration

All systems comprise of the following basic elements:

- Hand rail / Top rail
- Knee rail / Mid rail
- Toe plate
- Stanchion / Vertical Post
- Floor fixing mechanism
- Connectors / Splice sections

## Design Criteria

AERON Handrail Sytems are designed and tested for applicable Standards.



## Connections



# FIBERGLASS HANDRAIL & STAIRWAY SYSTEMS

## Assembly & Mounting Details For Handrails



ASSEMBLY MODEL :  
ASH-101



ASSEMBLY MODEL :  
ASH-102



ASSEMBLY MODEL :  
ASH-103



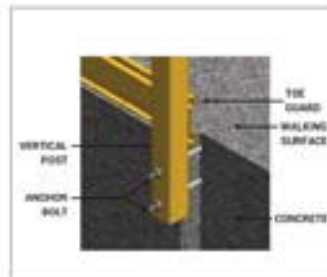
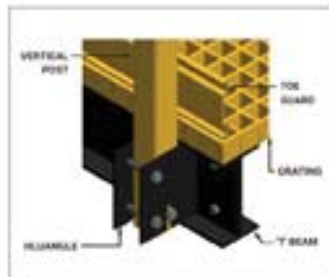
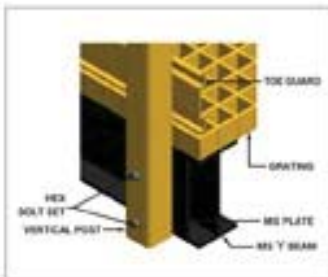
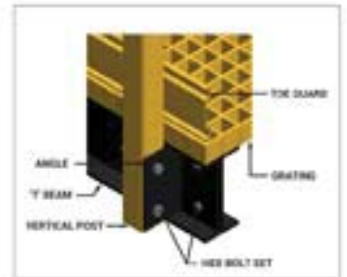
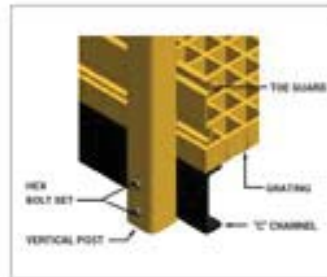
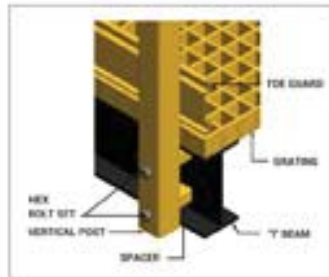
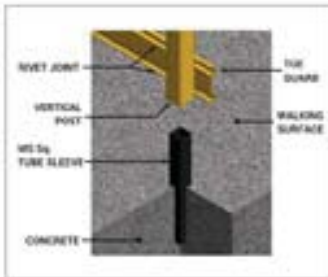
ASSEMBLY MODEL :  
ASH-104



ASSEMBLY MODEL :  
ASH-105

Contact Our Sales Team For Customized Specification

## Vertical Post Mounting Details



## Other Applications Of Handrail & Ladder



Crossover



Elevated Ramp With Handrails



Guard Rails



Platform Railing

SUCCESS IS ALL  
ABOUT MAKING  
**RIGHT CHOICES!**

## WHY AERON

- » DESIGN & ENGINEERING SERVICE
- » CUSTOM SOLUTIONS
- » SHORT DELIVERY PERIOD
- » FABRICATION & ASSEMBLY
- » HIGH QUALITY
- » OPTIMUM INVESTMENT

Grow with us..





Fiberglass  
Cable Tray



Fiberglass  
Structural Profiles



Fiberglass  
Ladder



Trefoil Clamp



Fiberglass  
Handrails



Fiberglass  
Pultruded Gratings



Fiberglass  
Canopy



Fiberglass  
Fencing



Fiberglass  
Molded Gratings



Fiberglass  
Poles & Mast



THE COMPOSITE EXPERT...

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