



# ARC

Insulation & Insulators (P) Ltd.

Manufacturer of Fiberglass Composites



## FRP Safety Ladder & Cage System



### ADVANTAGES

- Lighter & safer than metal ladders
- Non corrosive and hence longer life
- Easy assembling due to modular structure
- UV Resistant meeting ASTM Standards
- Fire retardant meeting ASTM E-84 Flammability Tests



ARC innovative FRP (Fiberglass Reinforced Plastic) safety ladder and cage system meets OSHA requirements. ARC cage ladder components are shipped in compact kit form ready for field assembly with predrilled hoops for fast and easy attachment to the ladder and vertical safety bars. Proper markings make it easy for in-situ installation. Fiberglass ladders and ladder cages mounted on the sides of tanks and buildings are a common sight in a wide range of industries. Fiberglass ladder and ladder cage systems have been in use since the 1950's in chemical plants and other corrosive environments. Even in complete immersion applications, fiberglass has outlasted aluminum and steel and required little or no maintenance.

## Materials of Construction

Standard ARC ladders cages are manufactured with ARC pultruded structural shapes. This creates a lightweight ladder system offering long life and low maintenance service. ARC ladders and ladder cage systems are produced using a premium grade polyester resin system with flame retardant and ultraviolet (UV) inhibitor additives. A vinyl ester resin system is available upon request for additional corrosion resistance. Standard side rails and cages are pigmented OSHA safety yellow. The rungs are a pultruded fiberglass polyester tube with a fluted, non-skid surface.



## Areas of applications



- ❑ Waste Water Treatment Plant
- ❑ Desalination Plant
- ❑ Cooling Tower
- ❑ Oil & Gas
- ❑ Shipyard
- ❑ Chemical Plant
- ❑ Fertilizer Plant
- ❑ Power Plant
- ❑ Building Construction
- ❑ General Industries
- ❑ Marine
- ❑ Petrochemical & Refinery Plant



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