



## ARC FRP TELESCOPIC/ EXTENDABLE LADDERS

ARC Insulation is a leading manufacturer of Fiber glass ladders based in kolkata.

Modern ladders are usually made from wood, aluminium and fiberglass. Each ladders bring with each other different sets of advantages and trade offs. FRP ladders combines all the best features of the above materials to create a far superior product. Our ladders are made as per international standards (OSHA & ANSI).

### Key Advantages

- FRP LADDERS don't corrode, does not absorb moisture and are far more resistant to bad weather conditions. 100% rust proof and water proof.
- FRP LADDERS don't conduct electricity and hence safer to work with it around power lines.
- FRP ladders are flame resistant.
- FRP LADDERS are far stronger than traditional ladders. Light weight and easy to carry.
- Total life cycle costs are lower than aluminum and wooden ladders.
- UV Protection.
- OSHA – Occupation and health safety administration Compliant

### Comparison

Features	ARC FRP Ladders	Aluminum Ladders	Wooden Ladders
Electrical Resistance	High	Low	High
Strength	High	High	Low
Weather Proof	Yes	No	No
Corrosion Resistance	High	Medium	High
Fire Resistance	Yes	Yes	No
Life-cycle Cost	Low	High	High
Environmental Impact	Low	High	High

## Technical Data Sheet

### 1. Section used for ladder

- Side Rails –  
FRP Channels 100mm(w) x 30mm(h) x 4mm(thk)
- Steps of FRP Rungs or Aluminum fluted pipe -  
OD 25mm, ID 20mm



### 2. Technical Specification

Model No.	Total Length (feet)	Length of each section (feet)	Max. Extn. Length (feet)	Rail Depth (inches)	Stack Height (inches)	Inside Width (inches)		Outside Width (inches)		Approx Weight (Kgs)
						Base Section	Fly Section	Base Section	Fly Section	
ARC-EL 1626	16	8	13	4	6.5	15	14	18	16.5	21
ARC-EL 2026	20	10	17	4	6.5	15	14	18	16.5	23
ARC-EL 2426	24	12	21	4	6.5	15	14	18	16.5	28
ARC-EL 2826	28	14	25	4	6.5	15	14	18	16.5	32
ARC-EL 3226	32	16	29	4	6.5	15	14	18	16.5	36
ARC-EL 3426	34	17	30	4	6.5	15	14	18	16.5	35.5
ARC-EL 3626	36	18	32	4	6.5	15	14	18	16.5	40
ARC-EL 4026	40	20	35	4	6.5	15	14	18	16.5	45

### 3. Sliding Arrangement

- a. Fly section will slide into base section. Both sections are interlocked.
- b. Two extra heavy duty outside slide guides (aluminum casted) secured to top of base section with four SS fasteners to guide for maximum strength & safety.

### 4. Locking Arrangement

- a. Two locking lever (Aluminum casted) are fitted on bottom of fly section to lock two adjacent rungs of base and fly section. Fly section is locked with base section by means of locking lever at any length according to requirement and maximum up to 30 feet.
- b. Nylon rope is provided to lock fly section with base section after it is extended as per requirement.

### 5. Steps

- a. Serrated Aluminum/FRP Rungs (OD-25mm, ID-20mm) provided for slip resistance .
- b. Surface Rung spacing is 1 feet.
- c. Rungs are directly riveted to side rail for maximum strength and rigidity.

