



**EPP Composites Pvt. Ltd.**  
Since 1986



# Innovating Engineering, Renovating Life



**Electrical  
Products**

# FRP Products for Power Transmission



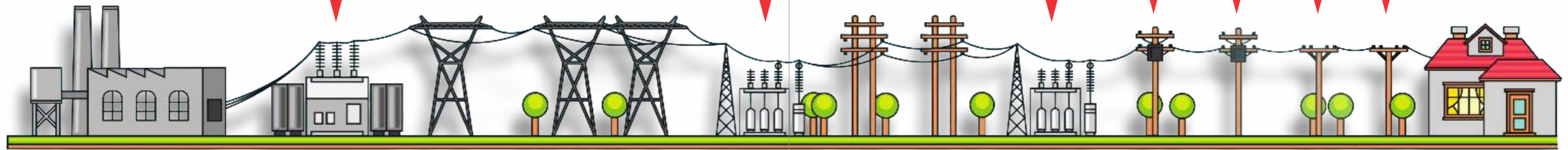
**FRP Transformer Fencing**



**SMC Enclosures**



**FRP V Cross Arm**



Power Plant

Step-Up Transformer

High-Voltage Transmission Line

Step-Down Transformer (Substation)

Step-Down Transformer (Substation)

Step-Down Transformer

Home









## Overview

We had a dream. A dream of making composite products of unparalleled quality meeting international standards including import substitutions and thus placing ourselves in the niche circle of globally renowned composite product manufacturing companies. Our goal remains to deliver highest quality at most reasonable price meeting our customers expectations and the ever expanding list of our satisfied clients indicates our achievement.

EPP Composites Pvt. Ltd. is one of leading global players in the rapidly growing composite industry. The company has gained a reputed position with more than two decades of focus on quality and customer service. Since 1986, Research & Development of new products remains a primary aim at EPP which has today resulted into multi divisional activities.

An ISO 9007:2015 certified manufacturing facilities have been extended over an area of more than 500,000 sq ft. EPP has also installed latest filament winding machines, Resin transfer moulding machines, Spray up machines, Compression Moulding facility, Centrifugal Polyurethane injection for sandwich construction and Hand lay up process. EPP's involvement from design to commissioning in detailed project and engineering job has made it possible to develop our unique in house designing capacity. We offer consolidated and concrete proposals as per the requirement of our customers. We have a team of specialist designers and associates with a reputation to precisely design as per customers' applications.

Young and Versatile personalities, Mr. Siddarth Shah and Mr. Jayraj Shah along with the team of skilled and experienced engineers, marketing personnel, technicians and supporting professionals have made it possible to achieve enormous compounded growth rate.

 <p><b>Infrastructure</b></p> <ul style="list-style-type: none"> <li>GRP Potable &amp; Sewerage, Piping</li> <li>Sewerage Water Tanks</li> </ul>	 <p><b>Building &amp; Construction</b></p> <ul style="list-style-type: none"> <li>Roofing Sheets</li> <li>Doors</li> <li>Water Tanks</li> <li>Ladders</li> <li>Platforms</li> <li>Bathtubs</li> <li>Manhole</li> <li>Covers/Chambers</li> <li>Turbo Ventilators</li> <li>Bunk House, Porta Cabins &amp; Prefab Housings</li> </ul>	 <p><b>Chemical</b></p> <ul style="list-style-type: none"> <li>Tanks &amp; Vessels</li> <li>Air Pollution Control System (Scrubber Blower, Ducting, Chimney &amp; Hoods)</li> <li>Process Filters</li> <li>Piping Systems</li> <li>Gratings</li> <li>Hand Railing</li> <li>Pallets</li> <li>Custom Made Products</li> </ul>	 <p><b>Defense</b></p> <ul style="list-style-type: none"> <li>Missile Casing</li> <li>Helmets</li> <li>Bunk Houses</li> </ul>
 <p><b>Electrical</b></p> <ul style="list-style-type: none"> <li>Cable Trays</li> <li>Lighting Poles</li> <li>Ladders</li> <li>Telescopic Rods</li> <li>Tubings</li> <li>Housing &amp; Covers</li> </ul>	 <p><b>Automobile</b></p> <ul style="list-style-type: none"> <li>Body Panels</li> <li>Engine Bonnets</li> <li>Doors</li> <li>Cabin Roof</li> <li>Bumpers &amp; Spoilers</li> <li>SMC Moulded Parts</li> </ul>	 <p><b>Offshore</b></p> <ul style="list-style-type: none"> <li>Platforms &amp; Railings</li> <li>Grating</li> <li>Structures</li> <li>Pipings</li> <li>Column Pipes</li> <li>Pressure Vessels</li> </ul>	 <p><b>Wind Energy</b></p> <ul style="list-style-type: none"> <li>Wind Mill Blades</li> <li>Wind Mill Turbine Covers</li> </ul>
 <p><b>Railways</b></p> <ul style="list-style-type: none"> <li>Internal Panels</li> <li>Front Nose Cone</li> <li>Seat &amp; Back Rest</li> </ul>			 <p><b>Marine</b></p> <ul style="list-style-type: none"> <li>Small Size Boats</li> <li>Life Boats</li> <li>Yachts</li> </ul>

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## SMC Junction Box

### RANGE & SPECIFICATIONS

Code No.	Inside Dimensions	Applications
<b>Side Hinged - Door fixed to base with hinges</b>		
EPP JB 1414	140 X 140 X 95	Junction box / fuse box for single phase / 2 core low wattage FTL / lighting system for pedestrian / pathway illumination. fuse box for road / street lighting for 3 phase
EPP JB 2014	200 X 140 X 95	
EPP JB 2413	240 X 130 X 110	
EPP JB 2520	250 X 200 X 105	
EPP JB 2522	250 X 220 X 105	
EPP JB 2525	250 X 250 X 105	
EPP JB 3020	300 X 200 X 105	
EPP JB 3020-01	300 X 200 X 130	



### Features

Weatherproof | Termite resistant | Easy Cable entry from side, bottom & top | Tamper proof | Pilferage proof | Restricts unauthorized tapping | Maintenance-free | Rustproof / Shockproof | High heat distortion temperature

## SMC Meter Box

### Range & Specifications

Code No.	Inside Dimensions (mm) H x W x D	Description
EPP SP 2520	250 X 200 X 105	L.T. 1 phase kwh meter
EPP SP 2522	250 X 220 X 135	L.T. 1 phase kwh meter
EPP SP 2525	250 X 250 X 160	L.T. 1 phase kwh meter
EPP TMB 350270	350 X 270 X 210	Kwh Meter
EPP TMB 375270	375 X 270 X 210	Static Meter
EPP TMB 390225	390 X 225 X 140	Kwh Meter
EPP TMB 400300	400 X 300 X 210	Kwh Meter
EPP TMB 450375	450 X 375 X 200	Kwh Meter
EPP MMB 570280	570 X 280 X 215	HT TVM with TTB
EPP MMB 650350	650 X 350 X 255	1 PH X 4; 3 PH X 3
EPP MMB 700480	700 X 480 X 210	1 PH X 4/6; 3PH X 4
EPP MMB 650350 DD	650 X 350 X 255	1 PH X 4/3; PH X 3
EPP MMB 700480 SD	700 X 480 X 210	1 PH X 4/6; 3PH X 4
EPP DTCMB 810350 DD	810 X 350 X 250	LT TVM With CTS
EPP LTCTMB 900350 DD	900 X 350 X 250	LT kwh/TVM with Fuses
EPP LTCTMB 900450 DD	900 X 450 X 250	LT TVM with CTs
EPP TMB 350270	350 X 270 X 210	Kwh Meter
EPP TMB 375270	375 X 270 X 210	Static Meter
EPP TMB 390225	390 X 225 X 140	Kwh Meter
EPP TMB 400300	400 X 300 X 210	Kwh Meter
EPP TMB 450375	450 X 375 X 200	Kwh Meter
EPP MMB 570280	570 X 280 X 215	HT TVM With TTB
EPP MMB 650350	650 X 350 X 255	1PH X 4; 3 PH X 3
EPP MMB 700480	700 X 480 X 210	1PH X 4/6; 3PH X 4
EPP MMB 650350D	650 X 350 X 255	1PH X 4; 3 PH X 3
EPP MMB 700480 SD	700 X 480 X 210	1 PH X 4/6; 3PH X 4



### Features

- » Single piece molded without any joints
- » Concealed metal hinges
- » Mounting screws fitted from inside
- » Metal hardware for wire seal
- » Adequate space for meter and cutouts
- » Wide range for different applications
- » Lightweight, yet strong
- » Weatherproof
- » Prices matching conventional meter boxes
- » Shockproof
- » Free from pilferage
- » Maintenance-free

## SMC Distribution Box

### Range & Specifications

Code No.	Inside Dimensions (mm) H x W x D	Description
EPP - DB - 2525	250 X 250 X 160	1 phase service connection distribution box, fuse box
EPP - DB - 3527	350 X 270 X 210	Fuse Box
EPP - DB - 3727	375 X 270 X 210	Bus bar chamber box
EPP - DB - 3527	350 X 270 X 210	Fuse box
EPP - DB - 3922	390 X 225 X 140	Fuse box
EPP - DB - 4030	400 X 300 X 190	3 phase service connection
EPP - DB - 5728	570 X 280 X 215	Bus bar chamber box
EPP - DB - 6535	650 X 350 X 255	Fuse box
EPP - DB - 7048	700 X 480 X 210	Fuse box



### Features:

» High heat distortion temperature (200°C as per IS 10192) | Non-fusing | Shockproof and rustproof | Rot-proof and termite resistant | Ideal for both indoor and outdoor use | Elegant appearance | 100% weatherproof | Fire retardant - Class FV-0 as per IS 11731 Part-II or V-0 as per UL -94

## SMC Service Connection Distribution Box

### Range & Specifications

Code No.	Approx Dimension (mm)	No. of Service I/C	Connection O/G	No. of Bus Bar Module
EPPSDB-3020 4-6	300 X 200 X 130	1 no. 3 Ph. TPN	5 nos. TPN	4 nos. 6 way
EPPSDB-3020 4-6 A	300 x 200 X 130	1 no. 1 Ph. TPN	9 nos. TPN	4 nos. 6 way
EPPSDB-4030-2-10	400 X 300 X 190	1 no. 1 Ph. TPN	9 nos. TPN	2 nos. 10 way
EPPSDB-4030-4-10	400 X 300 X 210	1 no. 3 Ph. TPN	9 nos. TPN	4 nos. 10 way
EPPSDB-4030-4-10 A	400 X 300 X 210	1 no. 1 Ph. TPN	17 nos. TPN	4 nos. 10 way

### SMC service DB with bus bar with screw bolt connection through fly nut

EPPSDB-3020 2-6	300 X 200 X 130	1 no. 1 Ph. SPN	5 nos. SPN	2 nos. 6 way
EPPSDB-3922 2-9	390 X 225 X 140	1 no. 1 Ph. SPN	8 nos. SPN	2 nos. 9 way
EPPSDB-3527 2-9	350 X 270 X 210	1 no. 1 Ph. SPN	8 nos. SPN	2 nos. 9 way
EPPSDB-4030 4-5	400 X 300 X 190	1 no. 3 Ph. SPN	4 nos. TPN	4 nos. 5 way
EPPSDB-4030 4-9	400 X 300 X 190	1 no. 1 Ph. SPN	12 nos. SPN	4 nos. 9 way
EPPSDB-4537 4-5	450 X 375 X 200	1 no. 3 Ph. SPN	4 nos. TPN	4 nos. 5 way



### Features:

Pole mounting arrangement | Bus bar for high fault currents | Cable entry from bottom and/or sides | Easy and organized management of consumer connections | Shockproof and rustproof, suitable for polluted atmospheres | Very high working temperature and higher arc resistance | Weatherproof | Maintenance-free

## SMC Water Meter Box

### Features:

- » Prevents meter damage
- » Tamper proof
- » Rustproof enclosure
- » Weatherproof
- » Maintenance-free
- » Viewing window for reading meter
- » Provision to seal the box



## SMC Danger Boards & Number Plates



### Features:

- » Excellent finish and dimensional consistency
- » Excellent weather resistance
- » Rustproof
- » No fear of vandalism
- » Withstands coastal and polluted atmosphere
- » Withstands solar radiation
- » Maintenance-free: SMC does not corrode, hence retains paint for longer duration
- » Transparent weather resistant coating
- » Pilfer proof: zero resale value

## SMC Boards

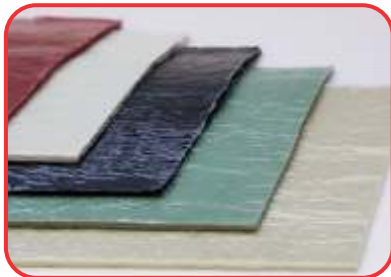
Code No.	Inside Dimensions (mm) H x W x D	Application
EPP BK 150200-01	150 X 200 X 40	DP Sw. LH, Sw, Fuse
EPP BK 250300-01	250 X 300 X 25	1PH Mtr, DP Sw. LH, Sw, Fuse
EPP BK 250300-02	250 X 300 X 40	1PH Mtr, DP Sw, Fuse, ET
EPP BK 400300-01	400 X 300 X 28	1PH Mtr, DP Sw, MCB, ET



### Features:

- » Excellent dielectric properties such as volume resistivity, surface resistivity, arc resistance and comparative tracking index
- » Can withstand continuous temperatures up to 140°C
- » Anti-corrosive and resistant to most acids, alkalis and chemicals
- » Lightweight, strong, stiff, and clean
- » Non-hygroscopic and retains its dielectric properties even in high humidity
- » Weatherproof
- » Self-colored and
- » Maintenance-free

## SMC Compound



EPP Sheet Molding Compounds (SMC) that are used in compression molding and are suitable for molding extensive range of parts from very small to bigger one and complex shapes. SMC's come in a wide range of colors. SMC's have excellent physical, thermal, flame and chemical resistance properties. As with other thermo sets, SMC is a mixture of polymer resin, inert fillers, fiber reinforcement, catalysts, pigments, stabilizers, release agents, and thickeners. Manufacturing of SMC is a continuous in-line process. The base components of liquids and solids (paste) are bulk mixed and continuously metered onto the surface of a carrier/barrier film, coating the film surface. Two mirror imaged metering stations operate simultaneously. One of the paste-coated carrier films are then layered with chopped fibers. The 2 carrier webs, paste & fiber are then brought together in the compaction section, where the sandwich-like layered components are kneaded into one homogenous compound sheet. The sheet is then fan folded into a container and stored in a controlled environment where maturation takes place, on its way to a specified viscosity.

## FRP V Cross Arm

### Features:

- » Anti-corrosive, hence suitable for coastal and polluted atmosphere
- » Ideal for harsh weather conditions
- » No change in conductor formation/ configuration as well as ground clearance while replacing metal 'V' type cross arms of existing lines
- » Maintenance-free and requires no painting
- » Extremely safe
- » Reduced transportation cost and ease of erection
- » Suitable for 11 KV overhead line
- » Lightweight, yet strong



## FRP Transformer Fencing

Our FRP Fencing supplied with pultruded round and square sections as per customer requirements. FRP Pultruded Sections with Polyester Grade Resin composition with Fiberglass. We are using the ASTM D 3917-96 design quality standard.

### Features

- » Non-conductive due to high dielectric strength
- » Strong and durable
- » Non-corrosive nature
- » Fire retardant
- » Zero resale value - pilfer proof
- » Termite proof and rot-proof
- » Aesthetic design
- » Maintenance-free

### Applications

- » Electrical substations
- » High voltage pylons
- » Live plant in general
- » Transformer buildings

## FRP Pultruded Section

FRP Profiles from EPP having a wide range of applications and sizes like I-Beams, Channel, Angle, Square Box, Rectangular Box, Round Pipe, Flats, etc. as per customer requirements. In addition, we are using the design standard ASTM D 3917-96 for our FRP profiles.

### Features

- » Good Corrosion and Weather Resistance
- » High Physical and Mechanical Strength
- » High Strength to weight ratio
- » Non Conductive & Non Magnetic
- » Highly Durable
- » Lower thermal conductivity
- » Good adaptability & dimensional stability
- » UV resistant, Aesthetically appealing, Flexibility in design, Light in Weight and hence easy to handle and install
- » Ease of Maintenance with Zero Downtime
- » Sturdy and Structurally Stable
- » Economical & cost effective



## FRP Ladder Type Cable Tray

The ladder type system comprises two channel side rails connected by transverse rungs. All rungs to side channel connections have both a mechanical and adhesive lock. They are used for any mixture of power or lighting cables with any mixture of control or signal cables. For electrical service of 2000 volts or less and 2001 volts or more.

Ladder Cable Tray- Model Nos.	Width - W (mm)	Height (mm)
EPP - LT6	150	100/150
EPP - LT8	200	100/150
EPP - LT12	300	100/150
EPP - LT16	400	100/150
EPP - LT18	450	100/150
EPP - LT20	500	100/150
EPP - LT24	600	100/150
EPP - LT30	750	100/150
EPP - LT36	900	100/150
EPP - LT40	1000	100/150
EPP - LT48	1200	100/150



## FRP Perforated Type Cable Tray

The perforated type, solid bottom, pre-drilled cable tray are designed for light loads namely instrumentation and control cables and for transition from cable trays to individuals control points. Perforations are on standard 300 mm centers and provide both ventilation and sites for cable tie down.



Perforated Cable Tray Model No.	Width - W (mm)	Runner height - H (mm)	Thickness T (mm)	Load bearing UDL (kg/mtr)
EPP-PT2	50	30	2.5	10
EPP-PT22	50	50	3.0	11
EPP-PT3	75	25	3.0	12
EPP-PT4	100	50	4.0	15
EPP-PT6	150	50	4.0	18
EPP-PT8	200	50	4.0	25
EPP-PT12	300	50	5.0	30

## GRP Poles

EPP's Fiber Glass Poles (G-FRP) are manufactured using winding process. Continuous Fiber Glass roving is fed through unsaturated polyester Resins bath at a constant & even tension on a constantly rotating mandrill. As result, Pole achieves mass with resin to glass roving ratio of 70% : 30 %. All EPP Poles are made with Fire Retardant Grade resin # and special grade additives # to retain strength against UV rays without any deformation through its life.

EPP's Design department has achieved to withstand wind load of 500 Pa at a projected luminaries area of 0.2 m<sup>2</sup>. EPP has most satisfied customers on the Coastal Roads, Ports & Plants with its extreme climatic conditions to make a statement of quality and strength. However, on a customized Product Range of these poles starts from 3.5 M up to 14 M.

- » Each pole is surface finished to smooth
- » All Weather compliant PU Paint and shade options
- » Designer Arms to select from
- » Options of Base Plates for any need
- » Junction Boxes – Internal & External

Technical Property of the EPP's GRP Poles - Circular & Conical Type poles is as the material composition and other properties. However, component designing and sales staff can assist you for any type of specialized requirement in the material compositions or special properties to be achieved.



Property	Standard	Value
Specific Gravity	ASTM D 792	1.65-1.85 kg m <sup>3</sup>
Glass Content (% age by weight)	ASTM D 2584	55% - 70%
Tensile Strength	DIN 53455 / ASTM D 638	~250 N/mm <sup>2</sup> / 400± 50MPa
Water Absorption	ASTM D 570	0.5%
Flexural Strength	DIN 53452 / ASTM D 790	~170n/mm <sup>2</sup> /350±50 MPa
Compressive Strength	ASTM D 695	200±50 MPa
Impact Strength	DIN 53453 / UNI 6062 /67	~5n/mm <sup>2</sup> / > 180 KJ/M <sup>2</sup>
Dielectric Strength	DIN 53481 / ASTM D 149	about 3 KV/mm/3-7 KV/mm
Thermal Conductivity	ASTM D 177	0.2-0.3 Kcal/mh°C
Coefficient of Linear Expansion	ASTM D 696	15-17°C x 10 <sup>-8</sup>

### Technical Data of GRP Pole - Conical Poles (Base Type/Buried Type)

Sr. No.	Height of pole (HM)	Under Ground in case of buried type (E)	Top Dia. (D1)	Base Dia. (D1)	Base Plant Size	PCD for J-Bolt	Base Plate Size	PCD for J Bolt
1	3.0	600	99.0	136.5	250	250	273.4	211.4
2	4.0	600	99.0	150.9	250	250	278.0	212.0
3	5.0	700	99.0	165.4	250	250	302.4	240.4
4	6.0	900	100.2	179.9	300	300	316.8	254.4
5	7.0	1000	101.4	194.4	300	300	331.4	269.4
6	8.0	1200	102.4	208.9	350	350	345.8	283.8
7	9.0	1400	103.6	223.3	350	350	360.3	298.3
8	10.0	1600	104.8	237.8	350	350	374.8	312.8
9	11.0	1800	105.8	252.3	400	400	389.3	327.3
10	12.0	2000	107.0	266.8	400	400	403.8	341.8
11	13.0	-	108.0	281.3	450	450	418.3	356.0
12	14.0	-	109.0	295.8	450	450	445.0	372.0

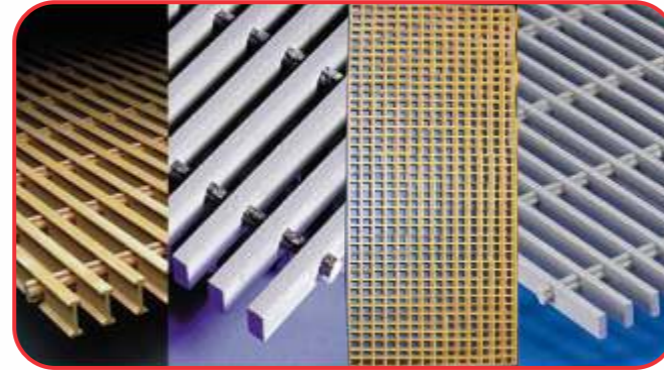
☐ # Square shape of the base plate #1.6 mm thick Ms Base Plate With Hot Dip Galvanized Base #Standard Fitment to EPP's Commercial Grade Poles # Opportunity, Instead of HDG, we can provide you Matching PU Paint or GRP Coating at Extra cost.

⊙ # Round shape of the base plate #10 mm thick Cast iron Base Plate With FRP (GRP) quoting of 1.2 mm & matching PU Paint is done # Standard fitment to EPP's Premium Grade Poles.

# FRP Pultruded and Moulded Grating

Our FRP Pultruded Grating supplied in its length, width & height as per customer requirements.

- » Good Corrosion and Weather Resistance
- » High Physical and Mechanical Strength
- » High Strength to weight ratio
- » Highly Durable
- » Lower electrical & thermal conductivity
- » Good adaptability & dimensional stability
- » UV resistant, Aesthetically appealing, Flexibility in design, Light in Weight and hence easy to handle and install
- » Sturdy and Structurally Stable
- » Non Skid Surface
- » Economical & cost effective



## Molded Grating Profiles

EPP model No.	Thickness T (mm)	Mesh Size SxS or BxB (mm)	Mesh Pattern	Maximum Permissible Span (mm)	Maximum Deflection (mm)	Maximum Recommended Uniform Distributed Load (kg/m <sup>2</sup> )
EPP - MGS25	25	38 X 38	Square	600	6.35	1020
EPP - MGR25	25	25 X 100	Rectangular	800	9.00	915
EPP - MGS38	38	38 X 38	Square	1000	8.63	610
EPP - MGS50	50	50 X 50	Square	1200	8.08	610
EPP - MGR38	38	38 X150	Rectangular	1000	9.30	815

## Molded Stair Treads

EPP model No.	Thickness T (mm)	Mesh Size SxS or BxB (mm)	Mesh Pattern	Maximum Permissible Span (mm)	Maximum Deflection (mm)	Maximum Recommended Uniform Distributed Load (kg/m <sup>2</sup> )
EPP - MSTR38	38	38 X150	Rectangular	1000	9.30	815

## Pultruded Grating Profiles

EPP model No.	Section	Section Dimension Height X Width - H x W x w (mm)	Open Area (%)	Maximum Permissible Span (mm)	Maximum Deflection (mm)	Maximum Recommended Uniform Distributed Load (kg/m <sup>2</sup> )
EPP-PGI 2540	'I'	25 x 15 x 15	40	1200	9.53	780
EPP-PGI 2550	'I'	25 x 15 x 15	50	1200	9.53	620
EPP-PGI 2560	'I'	25 x 15 x 15	60	1200	9.53	510
EPP-PGI 3840	'I'	38 x 15 x 15	40	1500	9.53	920
EPP-PGI 3850	'I'	38 x 15 x 15	50	1500	9.53	760
EPP-PGI 3860	'I'	38 x 15 x 15	60	1500	9.53	640
EPP-PGI 5033	'I'	50 x 15 x 15	33	1980	9.53	460
EPP-PGI 5050	'I'	50 x 15 x 15	50	1980	9.53	350
EPP-PGR 2515	'Solid Rectangular'	25 x 15	60	1372	9.53	374
EPP-PGR 3215	'Solid Rectangular'	32 x 15	60	1524	9.53	412
EPP-PGR 3815	'Solid Rectangular'	38 x 15	60	1828	9.53	294
EPP-PGR 4515	'Solid Rectangular'	45 x 15	60	1828	9.53	390
EPP-PGR 5015	'Solid Rectangular'	50 x 15	60	1828	6.35	784
EPP-PGR 5715	'Solid Rectangular'	57 x 15	60	1828	6.35	1046
EPP-PGR 6515	'Solid Rectangular'	65 x 15	60	1828	6.35	1523

# FRP Fire Extinguisher & Hose Station



EPP is an ISO 9001:2008 certified manufacturing facility is one of the leading global players in the Rapidly growing composite industry which caters to the requirement of segments such as Infrastructure, Chemical, Electrical, Railway, Automobile, Defense, Wind Energy, Offshore, Marine and Building & Construction.

### Specifications:

Our FRP Fire Extinguisher Box / FRP Hose Box / FRP Escape Box having a wide range of applications and sizes.

### Size:

As per Customer Requirements

### Materials of Construction:

FRP Moulded using Polyester Grade Resin with Fiberglass

### Features:

Good Corrosion and Weather Resistance | High Physical and Mechanical Strength | High Strength to weight ratio | Highly Durable | Lower thermal conductivity | Good adaptability & dimensional stability | UV resistant, Aesthetically appealing, Flexibility in design, Light in | Weight and hence easy to handle and install | Ease of Maintenance with Zero Downtime | Economical & cost effective

# FRP Ladders

## Features

- » Compact and easy to carry
- » Waterproof and rustproof
- » Designed for optimum stability as per international OSHA and ANSI standards
- » Shockproof
- » Lightweight and strong
- » Safe and durable

## 1. Step Ladders – Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ' SL 10' Series



Our model No.	Size (Feet)	Step width (inches)	Width (inches)	Aprox. Spread (inches)	Aprox. open height (inches)	Aprox. Weight (kgs)
EPP-SL-0310	3	3	17.5	23	34	6.0
EPP-SL-0410	4	3	19.0	29	46	8.0
EPP-SL-0510	5	3	21.5	35	57	10.0
EPP-SL-0610	6	3	23.0	41	68	11.0
EPP-SL-0710	7	3	24.5	48	79	13.0
EPP-SL-0810	8	3	26.0	54	90	15.0
EPP-SL-1010	10	3	29.0	66	113	19.0
EPP-SL-1210	12	3	32.0	78	137	24.0

## 2. Step Ladders – Heavy Duty Industrial Type (I – 250 lbs) – Model ' SL 20' Series

Our model No.	Size (Feet)	Step width (inches)	Width (inches)	Aprox. Spread (inches)	Aprox. open height (inches)	Aprox. Weight (kgs)
EPP-SL-0420	4	3	19	29	46	5.0
EPP-SL-0520	5	3	22	35	57	7.0
EPP-SL-0620	6	3	23	41	68	8.0
EPP-SL-0820	8	3	25	48	90	15.0



## 3. Step Trestle Ladder – Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ' STL 10' Series

Our model No.	Size (Feet)	Step width (inches)	Width (inches)	Aprox. Spread (inches)	Aprox. open height (inches)	Aprox. Weight (kgs)
EPP-STL-0410	4	3	19.0	36	45	11.0
EPP-STL-0510	5	3	21.5	45	57	12.0
EPP-STL-0610	6	3	23.0	52	67	13.0
EPP-STL-0710	7	3	24.5	60	79	17.0
EPP-STL-0810	8	3	26.0	67	90	20.0
EPP-STL-1010	10	3	29.0	83	112	27.0
EPP-STL-1210	12	3	32.0	98	135	33.0
EPP-STL-1410	14	3	35.0	112	160	38.0
EPP-STL-1610	16	3	38.0	127	184	45.0
EPP-STL-1810	18	3	41.0	142	208	51.0



## 4. Step Trestle Ladder – Heavy Duty Industrial Type (I – 250 lbs) – Model ' STL 20' Series

Our model No.	Size (Feet)	Step width (inches)	Width (inches)	Aprox. Spread (inches)	Aprox. open height (inches)	Aprox. Weight (kgs)
EPP-STL-0420	4	3	19.0	36	45	11.0
EPP-STL-0520	5	3	21.5	45	57	12.0
EPP-STL-0620	6	3	23.0	52	67	13.0
EPP-STL-0720	7	3	24.5	60	79	17.0
EPP-STL-0820	8	3	26.0	67	90	20.0
EPP-STL-1020	10	3	29.0	83	112	27.0
EPP-STL-1220	12	3	32.0	98	135	33.0



## 5. Platform Step Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model 'P SL 10' Series



Our model No.	Size (Feet)	Step width (inches)	Width (inches)	Aprox. Spread (inches)	Aprox. open height (inches)	Aprox. Weight (kgs)
EPP-PSL-0310	3	3	22.0	30	34	10.0
EPP-PSL-0410	4	3	23.5	38	46	12.0
EPP-PSL-0510	5	3	25.0	43	57	14.0
EPP-PSL-0610	6	3	26.5	50	68	16.0
EPP-PSL-0810	8	3	29.5	62	90	22.0
EPP-PSL-1010	10	3	32.0	75	113	29.0
EPP-PSL-1210	12	3	35.0	88	135	34.0

## 6. Platform Step Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model 'P SL 11' Series

Our model No.	Size (Feet)	Step width (inches)	Width (inches)	Aprox. Spread (inches)	Aprox. open height (inches)	Castor wheels & size	Insulated handrails	Aprox. Weight (kgs)
EPP-PSL-0311	3	3	22.0	30	34	Yes-2"	NO	11.0
EPP-PSL-0411	4	3	23.5	38	46	Yes-2"	NO	13.0
EPP-PSL-0511	5	3	25.0	43	57	Yes-2"	NO	15.0
EPP-PSL-0611	6	3	26.5	50	68	NO	Yes	17.0
EPP-PSL-0811	8	3	29.5	62	90	NO	Yes	23.0
EPP-PSL-1011	10	3	32.0	75	113	NO	Yes	30.0
EPP-PSL-1211	12	3	35.0	88	135	NO	Yes	35.0



## 7. Shelf Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ' SH L 10' Series

Our model No.	Size (Feet)	Step width (inches)	Width (inches)	Aprox. Weight (kgs)
EPP-SHL-0410	4	3	15.0	4.0
EPP-SHL-0510	5	3	15.0	5.0
EPP-SHL-0610	6	3	15.0	6.0
EPP-SHL-0710	7	3	15.0	8.0
EPP-SHL-0810	8	3	15.0	9.0
EPP-SHL-1010	10	3	15.0	11.0
EPP-SHL-1210	12	3	15.0	13.0
EPP-SHL-1410	14	3	17.0	16.0
EPP-SHL-1610	16	3	17.0	18.0
EPP-SHL-1810	18	3	17.0	20.0
EPP-SHL-2010	20	3	17.0	22.0





### 8. Manhole Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ' MH L 88' Series



Our model No.	Size (Feet)	Step width (inches)	Width (inches)	Approx. Weight (kgs)
EPP-MHL 0888	8	3	14.0	9.0
EPP-MHL 1088	10	3	14.0	11.0
EPP-MHL 1288	12	3	14.0	13.0
EPP-MHL 1488	14	3	14.0	16.0
EPP-MHL 1688	16	3	14.0	17.0
EPP-MHL 1888	18	3	14.0	20.0
EPP-MHL 2088	20	3	14.0	21.0

### 9. Extension Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ' EL 26' Series

Our model No.	Total length of the ladder (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	
EPP-EL 1626	16	8	13	4	6.5	15	14	18	16.5	21.0
EPP-EL 2026	20	10	17	4	6.5	15	14	18	16.5	23.0
EPP-EL 2426	24	12	21	4	6.5	15	14	18	16.5	28.0
EPP-EL 2826	28	14	25	4	6.5	15	14	18	16.5	32.0
EPP-EL 3226	32	16	29	4	6.5	15	14	18	16.5	36.0
EPP-EL 3626	36	18	32	4	6.5	15	14	18	16.5	40.0
EPP-EL 4026	40	20	35	4	6.5	15	14	18	16.5	45.0



### 10. Extension Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ' EL 32' Series



Our model No.	Total length of the ladder (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	
EPP-EL 1632	16	8	13	4	6.5	15	14	18	16.5	23.0
EPP-EL 2032	20	10	17	4	6.5	15	14	18	16.5	25.0
EPP-EL 2432	24	12	21	4	6.5	15	14	18	16.5	28.0
EPP-EL 2832	28	14	25	4	6.5	15	14	18	16.5	32.0
EPP-EL 3232	32	16	29	4	6.5	15	14	18	16.5	36.0
EPP-EL 3632	36	18	32	4	6.5	15	14	18	16.5	40.0
EPP-EL 4032	40	20	35	4	6.5	15	14	18	16.5	45.0

### 11. Mobile Platform Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ' MP 10' Series

Our model No.	Size (Feet)	Approx height top step (feet)	Width (inches)	Aprox. Spread (inches)	Aprox. open height (inches)	Aprox. Weight (kgs)
EPP-MP 0510	5	4	63	32	7.5	79
EPP-MP 0610	6	5	71	32	8	86
EPP-MP 0710	7	6	80	32	9	106
EPP-MP 0810	8	6.5	89	32	10	117
EPP-MP 0910	9	7	97	32	11	127
EPP-MP 1010	10	8	106	32	11.5	184
EPP-MP 1110	11	9	114	36	12	193
EPP-MP 1210	12	9.5	123	36	13	200
EPP-MP 1310	13	10.5	131	39	13.5	233
EPP-MP 1410	14	11	140	39	14	241
EPP-MP 1510	15	12	148	39	15.5	248



### 12. Mobile Platform Ladder - (600 lbs) – Model 'MP 20' Series



Our model No.	Size (Feet)	Approx height top step (feet)	Width (inches)	Aprox. Spread (inches)	Aprox. open height (inches)	Aprox. Weight (kgs)
EPP-MP 0520	5	4	80	32	7.5	88
EPP-MP 0620	6	5	92	32	8	95
EPP-MP 0720	7	6	97	32	9	115
EPP-MP 0820	8	6.5	106	32	10	126
EPP-MP 0920	9	7	114	32	11	136
EPP-MP 1020	10	8	123	32	11.5	197
EPP-MP 1120	11	9	131	36	12	207
EPP-MP 1220	12	9.5	140	36	13	214
EPP-MP 1320	13	10.5	148	39	13.5	246
EPP-MP 1420	14	11	157	39	14	255
EPP-MP 1520	15	12	166	39	15.5	261

### 13. Mobile Platform Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ' MP 30' Series

Our model No.	Approx height top step (feet)	Aprox. Weight (kgs)
EPP-MP 0330	3	22
EPP-MP 0430	4	26
EPP-MP 0530	5	28
EPP-MP 0630	6	31



#### 14. Industrial Step Stand - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model 'ISS 80' Series



Our model No.	Size (Feet)	Approx height top step (inches)	Step size (inches)	Top width (inches)	Aprox. Spread (inches)	Width (inches)	Aprox. Weight (kgs)
EPP-ISS 0180	1	13	6	14 x 10	15	15.0	4.0
EPP-ISS 0280	2	23	6	14 x 10	21	18.5	8.0
EPP-ISS 0380	3	34	6	14 x 10	27	20.0	11.0
EPP-ISS 0480	4	45	6	14 x 10	33	22.0	14.0

#### 15. Self Supported Trestle Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model 'SSTL 30' Series

Our model No.	Size (Feet)	Step width (inches)	Height to platform (feet)	Approx width (inches)	Approx spread (inches)	Approx. Open height (inches)	Aprox. Weight (kgs)
EPP - SSTL 0630	6	3	4	26.5	50	68	15.0
EPP - SSTL 0830	8	3	6	29.5	62	90	21.0
EPP - SSTL 1030	10	3	8	32.0	75	113	25.0
EPP - SSTL 1230	12	3	10	35.0	88	135	30.0



#### 16. Self Supported Step Trestle Ladder with Extension Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model 'SSXTL 11' Series



Our model No.	Size (Feet)	Step width (inches)	width (inches)	Approx spread (inches)	Max. extendable height (feet)	Inside width of fly section (inches)	outside width of fly section (inches)	Aprox. Weight (kgs)
EPP - PSL 0811	8	3	33.0	69	12.5	15.5	18.0	29.0
EPP - PSL 1011	10	3	39.0	84	15.5	15.5	18.0	36.0
EPP - PSL 1211	12	3	45.0	99	19.5	15.5	18.0	43.0

#### 17. Mobile Telescopic Platform Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model 'MTL 10' Series



Our model No.	Size (Feet)	Step width (inches)	Base width (inches)	Base spread (inches)	Top width x spread (inches x inches)	No. of wheels & diameter (inches)	Aprox. Weight (kgs)
EPP - MTL 1510	15	1	72.0	60.0	20 X 20	2NOS - 48	150.0
EPP - MTL 2010	20	1	72.0	60.0	20 X 20	2NOS - 48	175.0
EPP - MTL 2510	25	1	72.0	60.0	20 X 20	2NOS - 48	200.0
EPP - MTL 3010	30	1	72.0	60.0	20 X 20	2NOS - 48	250.0

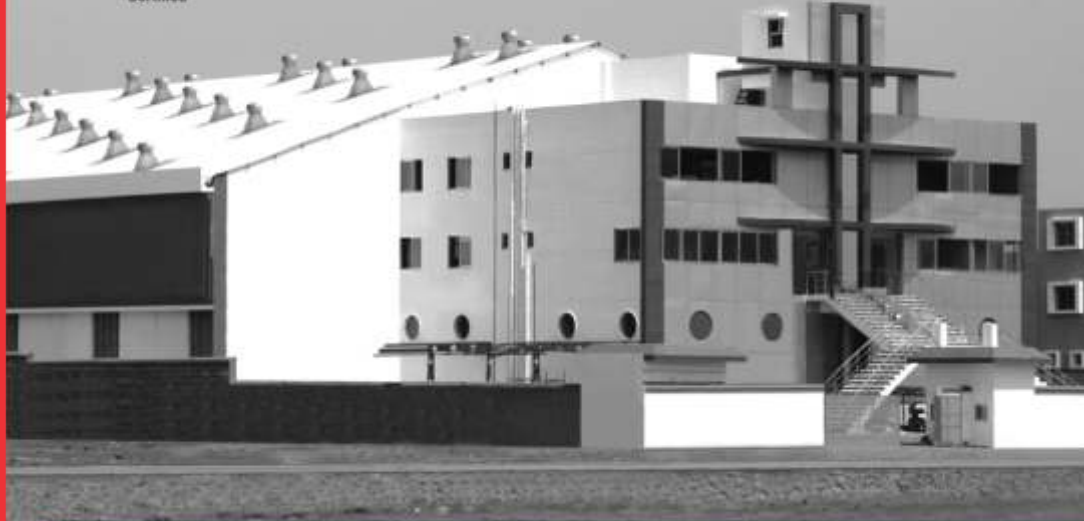
Our model No.	Platform Size (inches x inches)	Platform height (feet)	Max. extendable height (feet)	Height in closed condition (feet)	Fly section width (inches)	Fly section height (feet)
EPP - MTL 1510	17 x 17	2.5	15.0 + 2.2	10.0 + 2.5	21.0	5.0 + 2.5
EPP - MTL 2010	17 x 17	2.5	20.0 + 2.5	15.0 + 2.5	21.0	5.0 + 2.5
EPP - MTL 2510	17 x 17	2.5	25.0 + 2.5	18.0 + 2.5	21.0	7.0 + 2.5
EPP - MTL 3010	17 x 17	2.5	30.0 + 2.5	20.0 + 2.5	21.0	10.0 + 2.5

#### 18. Mobile Telescopic Tilting Type Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model 'MTTL 20' Series

Our model No.	Size (Feet)	Step width (inches)	Base width (inches)	Base spread (inches)	Top width x spread (inches x inches)	No. of wheels & diameter (inches)	Aprox. Weight (kgs)
EPP - MTL 1520	15	1	96	48	22 x 22	4NOS - 10	250.0
EPP - MTL 2020	20	1	96	48	22 x 22	4NOS - 10	250.0
EPP - MTL 2520	25	1	120	48	22 x 22	4NOS - 10	350.0
EPP - MTL 3020	30	1	120	48	22 x 22	4NOS - 10	350.0



Our model No.	Platform Size (inches x inches)	Platform height (feet)	Max. extendable height (feet)	Height in closed condition (feet)	Fly section width (inches)	Fly section height (feet)
EPP - MTL 1520	20 x 20	2.5	15.0 + 2.2	6	25.0	5.0 + 2.5
EPP - MTL 2020	20 x 20	2.5	20.0 + 2.5	6	25.0	5.0 + 2.5
EPP - MTL 2520	20 x 20	2.5	25.0 + 2.5	6	25.0	7.0 + 2.5
EPP - MTL 3020	20 x 20	2.5	30.0 + 2.5	6	25.0	10.0 + 2.5



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### **Plant - 3 : General Moulding Division**

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