

FRP Flats

Fiberglass Reinforced Polymers (FRP)



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Fiber-reinforced plastics (FRP), also known as fibre-reinforced polymers, are a category of composite plastics specifically using fibre materials to mechanically augment the elasticity and strength of the plastic. They consist of a polymer matrix – the original plastic which is usually tough but weak – which is blended with a reinforcing material to yield a final product with the desired material or mechanical properties.

Why FRP:

- Corrosion Resistance

FRP is **corrosion resistant**, and the main reason for using fibre-glass-reinforced plastics (FRP) is that they are inherently corrosion resistance. Moreover, FRP is the only material that will handle a given service environment. Light in weight FRP is lesser in weight and has a low pressure to strength ratio and requires one-seventh in quantity as against steel half needed half in weight as aluminium.

-More Strength

Fibreglass reinforced plastic (FRP) has high strength in forming equipment for the various application be its use in missile or boat or bathtubs.

Affordable

FRP is economic from the manufacturing point of view, and affordability is a crucial factor over other materials to be used.

Flexibility

FRP material is flexible, and this quality makes favourite in choice over other content. Saves labour cost and easy installation One more advantage of FRP is that it helps in cutting expenses on labour and installation.

Fast construction speed

FRP helps in increasing the speed of construction of equipment and less time consuming from the industry's point of view.

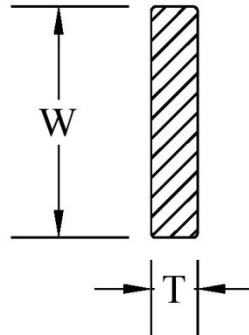
Durability

FRP is durable and has a long life than steel or aluminium and lasts longer and yet more productive service life and requires no replacement nor much maintenance.



Electrically & thermally non-conductive:

FRP is electrically non-conductive leading to increased safety compared to conductive materials (i.e., metal).



Sr. no.	Part Code	Thickness (T), mm	Width (W), mm	Weight in Kg/ meter
1	PF03225	03	225	1.300
2	PF1030	10	30	0.635
3	PF1040	10	40	0.800
4	PF1050	10	50	1.100
5	PF1060	10	60	1.225
6	PF1070	10	70	1.400
7	PF1075	10	75	1.575
8	PF10100	10	100	2.100
9	PF2075	20	75	3.000
10	PF2040	20	40	1.600
11	PF2050	20	50	2.105
12	PF2060	20	60	2.480
13	EPOXY PF2060	20	60	2.500
14	PF2575	25	75	3.940
15	PF3030	30	30	1.890
16	PF3050	30	50	3.200
17	PF 2626	26	26	1.420

- All Dimensions are in mm only.
- Tolerance is applicable as per DIN Standard 2768.

