



Data Sheet of GFRP Pultruded Handrail

SN	Description	Property	Comment
1	Vertical post Height	1,100 mm	-
2	Distance vertical post max	Max 1,500 mm	-
3	Vertical Post Profile	50 x 50 mm	-
4	Horizontal Rail	Omega Type	-
5	Middle Rail	Single GRP Tube Dia 25mm	Alternative Double Alternative 32 mm
6	Kick plate	100 x 3 mm Thk	-
7	Glass content	65% + 10 %	Pultrusion Process
8	Color	Any RAL	Pigmented resin during process
9	UV Effect	UV resistant	UV inhibitor
10	Chemical Resistance	for chemicals resistant application and high temperature up to 85 degrees celsius	Isophthalic resin / Vinylester Resin
11	Fire retardant Resistance	Class 1 as per ASTM E 84, flame Spread < 25	-
12	Standard length mm	Max 6000 mm	-
13	Fixing Method	Floor Mounting Bracket	Side Wall Mounting
14	Design Standard	ASCE - SEI 7-16 or BS 4592-0: 2006	-
15	Application	Aquaculture / Waste water / SWRO / PS / District Cooling	-
16	Design Lateral Load	0.36 KN/m 0.76 KN/m	General Duty / Heavy Duty

