



PRODUCT CATALOG

China FRP Profiles & Gratings

Brochure for
FRP Channels

Professional Composite Manufacturer & Solution Designer

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02. FRP Channel

Low Deformation Rate and Good Corrosion Resistant FRP Profile

FRP channel is one kind of FRP profiles with uniform cross section. And it is formed continuously after being heated by high temperature.

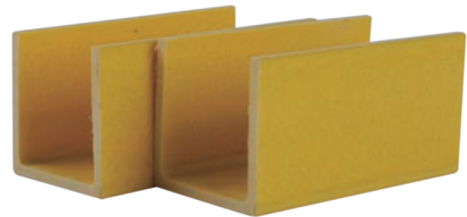
FRP channel is mainly used to insulated ladders, handrails and roof supports, because of excellent anti-corrosion, insulation and economic benefits.



Available type



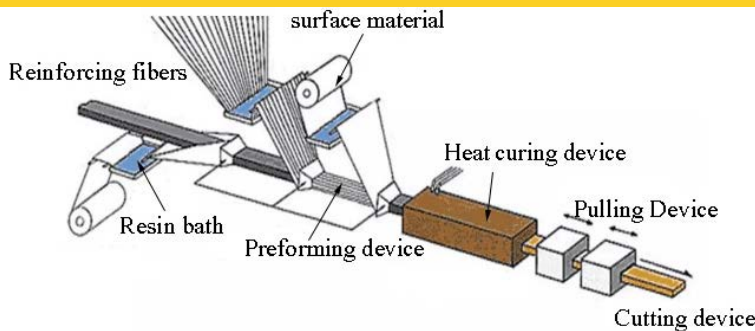
FRP C channel



FRP U channel

Production process

The simple steps are fiberglass roving, dipped in resin, preforming, pultrusion, and cutting. Reinforcing fibers and surface materials with the resin mixture in the resin bath is wrapped in a preforming device. Then the completed package will go into heat curing device for pultrusion. The die is the exact shape of the final part desired. Upon exiting the die, the part is over 90% cured and solid. The length of the part required is pulled through the cutoff saw and the process is complete.



FRP channels production process

Features

- *UV resistant.*
- *Low Deformation rate.*
- *High strength and light weight.*
- *Good corrosion resistant.*
- *Various colors for choice.*
- *Thermal stability.*
- *Easy to install and maintain.*
- *Anti-aging.*
- *Non-toxic.*
- *Insulation.*
- *Excellent economic benefits.*

Classical applications

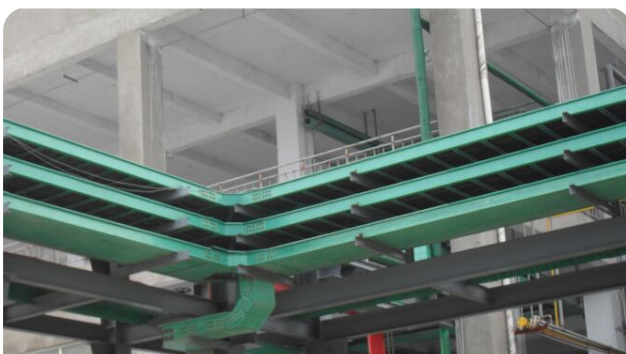
- Ladder supports.
- Handrails.
- FRP battery stands.
- Cable tray



FRP Channel Ladders Supports



FRP Channel Handrail




FRP Channel Cable Tray



FRP Channel Battery Stand

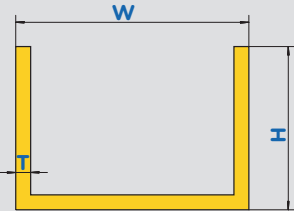
Common Specifications

Common Specification of FRP C Channel

Section	Item	Width (mm)	Height (mm)	Thickness (mm)	Item	Width (mm)	Height (mm)	Thickness (mm)
	FCC-01	25	14	3	FCC-06	102	35	4.8
	FCC-02	40	24	3.2	FCC-07	120	44	6.4
	FCC-03	50	14	3.2	FCC-08	152	42	9.5
	FCC-04	75	35	5	FCC-09	203	56	9.5
	FCC-05	76	38	6.4	FCC-10	254	70	12.7

Note: Special sizes can be customized.

Common Specification of FRP U Channel

Section	Item	Width (mm)	Height (mm)	Thickness (mm)	Item	Width (mm)	Height (mm)	Thickness (mm)
	FUC-01	6	6	2	FUC-27	50	35	3.5
	FUC-02	12	7.5	2.5	FUC-28	58	23	3
	FUC-03	14	11	3.5	FUC-29	60	50	4
	FUC-04	14	17	3	FUC-30	70	30	5
	FUC-05	15	7.5	2.5	FUC-31	72	57	3
	FUC-06	18	7.5	2.5	FUC-32	87	40	6
	FUC-07	20	21	4	FUC-33	89	40	4
	FUC-08	22.2	7.5	2.5	FUC-34	89	44.5	3.5
	FUC-09	25	20	3	FUC-35	95	15	2.5
	FUC-10	30	22	3	FUC-36	100	45	5
	FUC-11	30	30	3	FUC-37	100	50	6
	FUC-12	30	30	5	FUC-38	100	60	6
	FUC-13	32.5	28.3	3	FUC-39	100	80	2.5
	FUC-14	36.3	20	4.5	FUC-40	105	105	2.5
	FUC-15	36.6	20	3	FUC-41	110	53	3
	FUC-16	38	25	4	FUC-42	120	50	6
	FUC-17	38.1	24	3	FUC-43	120	60	6
	FUC-18	40	20	4	FUC-44	128	65	3
	FUC-19	43	43	4	FUC-45	138	100	4
	FUC-20	45	7.5	2.5	FUC-46	180	70	8
	FUC-21	45	20	4	FUC-47	190	82	5
	FUC-22	46	40	3	FUC-48	200	80	8
	FUC-23	48	40	4	FUC-49	205	105	2.5
	FUC-24	50	22	8	FUC-50	300	80	4
	FUC-25	50	30	4	FUC-51	300	100	10
	FUC-26	50	34	3	FUC-52	400	80	4

Note: Special sizes can be customized.



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