



AOCOMM[®]



**PRODUCT
CATALOG**

China FRP Profiles & Gratings

Brochure for
FRP Square Tube

Professional Composite Manufacturer & Solution Designer

Aocomm Composite Co., Ltd.

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05. Square Tube

Pultruded tube with Corrosion and Impact Resistance

FRP square tubes are composed of unsaturated polyester resin, continuous glass fiber yarn and mat through pultrusion process. The process is irreversible. It can not melt or form again and has high strength, light weight, anti-corrosion and other features. And FRP square tubes are widely used in chemical industries, operating platforms and electrical appliance industry.



Features

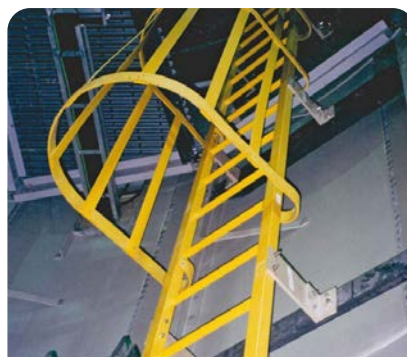
- *Light weight and high strength.*
- *Anti-corrosion.*
- *Chemical resistant.*
- *Safety.*
- *Impact resistant.*
- *Anti-ageing.*
- *Rich colors. A variety of colors can be selected.*
- *Maintenance convenient.*
- *Low thermal conductivity.*

Classical applications

- Insulation ladders.
- Handrails.
- Fences.



FRP Fence



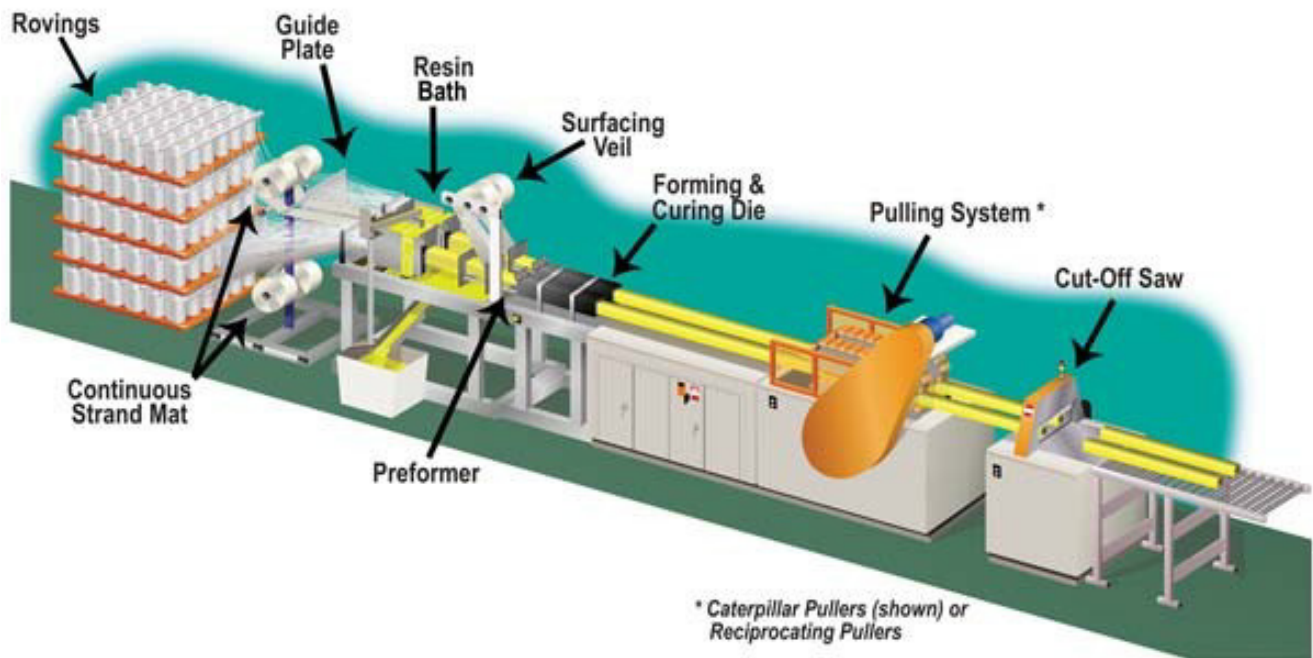
FRP Insulation Ladder



FRP Handrails

Production process

FRP square tube production process is a continuous production process to produce fiber-reinforced polymer profiles of any length and constant section. Reinforcement fibers may be roving, continuous mat, woven roving, carbon or others. The fibers are impregnated with polymer matrix (resin, minerals, pigments, additives) and passed through a preforming station that produces the stratification necessary to give the profile the desired properties. After the preforming step, the resin-impregnated fibers are pulled through a heated die to polymerize the resin.



Common Specifications

Common Specification of FRP Square Tube

Item	Specification (mm)
FRPST-01	38 × 38 × 4
FRPST-02	50 × 50 × 4
FRPST-03	60 × 60 × 5
FRPST-04	75 × 75 × 6
FRPST-05	80 × 80 × 5
FRPST-06	100 × 100 × 5
FRPST-07	120 × 120 × 5

Note: Special sizes can be customized.



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