FRP HANDRAIL SYSTEM

Handrail & Pultruded Profile

DH Rail



PT TEKNIK BUDI PERKASA

THE BEST PARTNER



About

PT Teknik Budi Perkasa

PT Teknik Budi Perkasa has been 15 years of shaping the future with innovative FRP (Fiberglass Reinforced Polymer) solutions. Since 2009, we've been a trusted partner, providing high-quality FRP products and exceptional customer service across various industries.

We produce any products within our scope made from FRP material. This refers to the advantages of FRP material, namely high strength, corrosion resistance, and chemical resistance. With these advantages, FRP products are suitable for use in various industries, even in environments with very high hazardous levels.

400+
Success Project

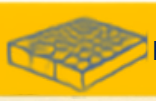
130+
Happy Customer

15+
Years of Experience

20+
Cities Served

WHY CHOOSE FRP ?

FRP (Fiberglass Reinforced Polymer) composite delivers superior performance in the most demanding environments. See how it outperforms conventional steel across key operational factors.

	 CONVENTIONAL STEEL	 FRP COMPOSITE
CORROSION RESISTANCE	Prone to rust and corrosion. Requires coating and protection.	Excellent corrosion resistance. Ideal for harsh environments.
WEIGHT	Heavy and difficult to handle.	Lightweight. Easy to transport and install.
MAINTENANCE	High maintenance. Requires regular inspection and repainting.	Low maintenance. No painting, minimal inspection required.
ELECTRICAL CONDUCTIVITY	Conductive. Requires insulation.	Non-conductive. Inherently electrically insulating.
CHEMICAL RESISTANCE	Susceptible to many chemicals.	High chemical resistance. Suitable for aggressive media.
SERVICE LIFE	Shorter service life. Degrades over time.	Long service life. Built to last for decades.

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01

DHRAIL
FRP HANDRAIL



FRP Handrail

FRP Handrail is a corrosion-resistant, lightweight, and high-strength safety system designed for industrial environments. Engineered for durability and long service life, it provides reliable protection and secure support for personnel in demanding conditions.



Applications

- Power Plants and Industrial Facilities
- Chemical Processing Plants
- Oil and Gas Refineries
- Food and Beverage Processing Plants
- Water Treatment Facilities
- Factory
- Infrastructure
- Marine
- Telecommunication rooms
- Data Centers

FRP Handrail

Available Accessories

Our FRP Handrail Accessories are designed to provide secure connections and complete the handrail system for various industrial applications. Each component offers durability, reliable performance, and a seamless installation for a strong and safe handrail system.

01 PIPE



Length : 1M, 1.5M, 2M, 3M, 6M
OD Ø 50
Thickness : 6MM

02 BASE PLAT



03 TEE



04 TEE WILDY



05 45° TEE



06 CROSS



FRP Handrail

Available Accessories

07 45° CROSS



08 90° ELBOW



09 45° ELBOW



10 HORIZONTAL ADJUSTABLE ELBOW



11 VERTICAL ADJUSTABLE ELBOW



12 CORNER CROSS



13 SIDE BASE



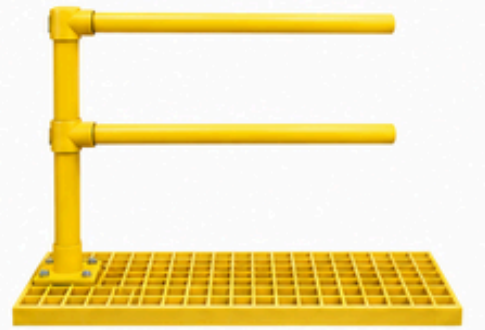
14 CORNER TEE



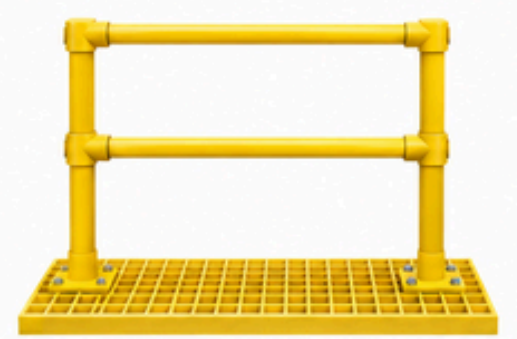
FRP Handrail

Handrail Configuration : Two-Line Handrail Systems

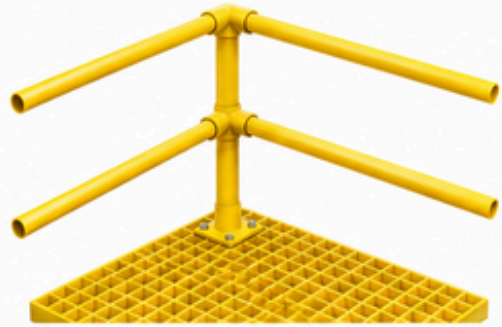
01 END STAND HANDRAIL



02 CORNER STAND HANDRAIL



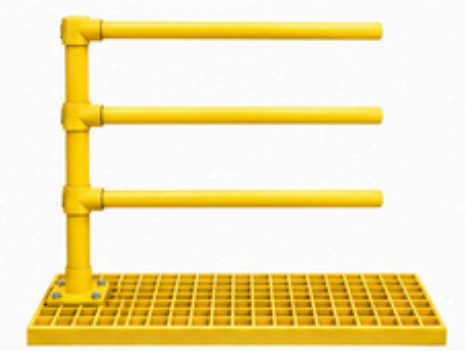
03 CONTINUE STAND HANDRAIL



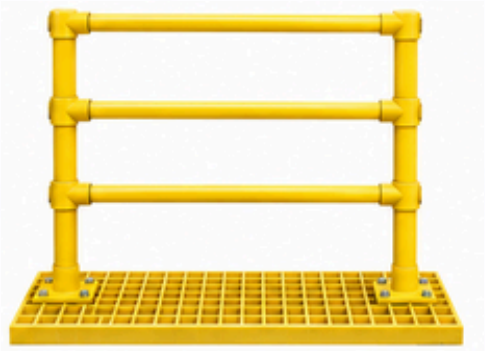
FRP Handrail

Handrail Configuration : Three-Line Handrail Systems

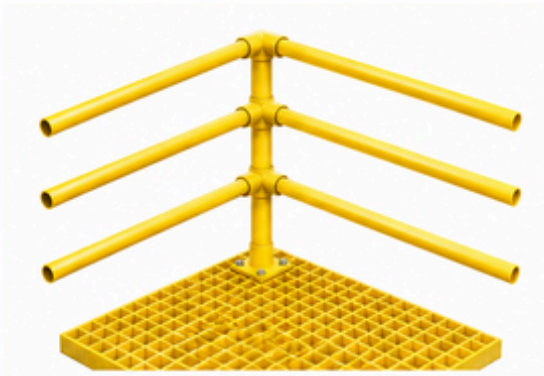
01 END STAND HANDRAIL



02 CORNER STAND HANDRAIL



03 CONTINUE STAND HANDRAIL



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02

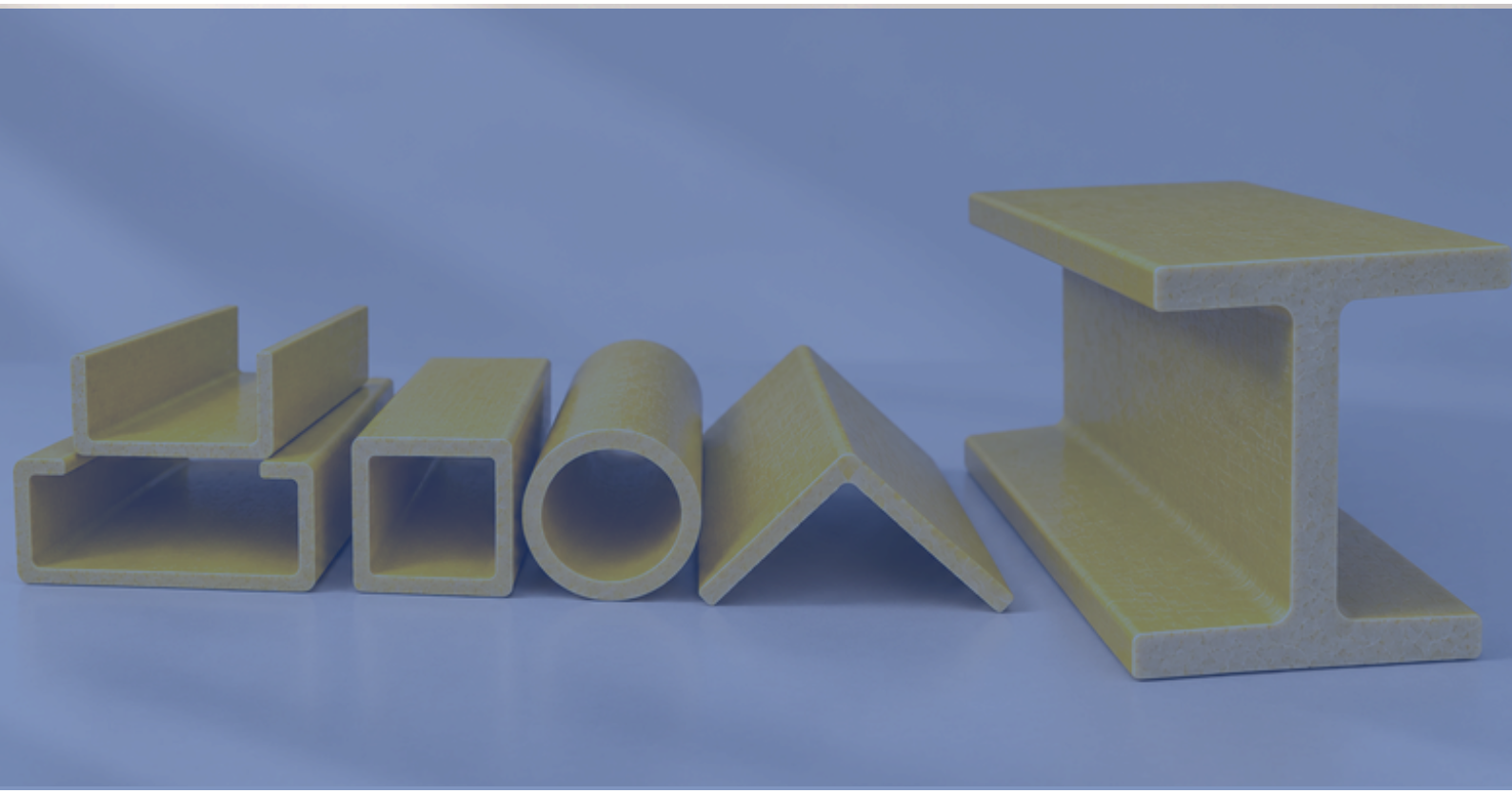
DHRAIL FRP PULTRUDED PROFILE

Corrosion Resistant
High Strength
Lightweight
Non Conductive
UV Resistant
Fire Retardant
Chemical Resistant
Low Maintenance
Radio Frequency Transparency

FRP PULTRUDED PROFILE

FRP Profiles

FRP Pultruded Profile is a lightweight, high-strength, and corrosion-resistant structural solution designed for various industrial applications. Available in various shapes such as Angle, CNP, Hollow, Pipe, and UNP, FRP Profiles offer excellent durability, dimensional stability, and long service life, making them ideal for structures, supports, platforms, handrails, and other demanding environments.



Applications

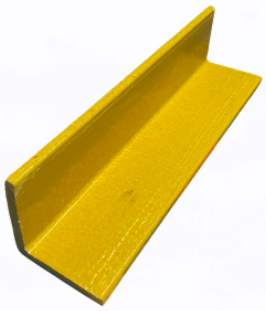
- Power Plants and Industrial Facilities
- Chemical Processing Plants
- Oil and Gas Refineries
- Food and Beverage Processing Plants
- Water Treatment Facilities
- Factory
- Infrastructure
- Marine
- Telecommunication rooms
- Data Centers

FRP PULTRUDED PROFILE

Specification

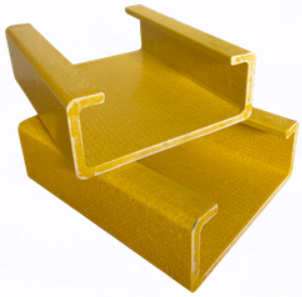
FRP Profiles offer a lightweight, high-strength, and corrosion-resistant solution for various structural and industrial applications. Available in a wide range of shapes and sizes, they provide durability, flexibility, and long-lasting performance in demanding environments.

01 ANGEL BAR



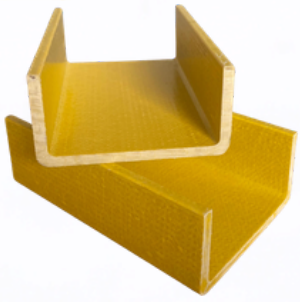
DIMENSION :
50MM X 50MM X 6MM
75MM X 75MM X 7MM
Length : 3000MM / 6000MM

02 CNP



DIMENSION :
125MM X 50MM X20MM X 6MM
125MM X 50MM X 20MM X 9MM
150MM X 65MM X 20MM X 8MM
Length : 3000MM / 6000MM

03 UNP



DIMENSION :
100MM X 35MM X 4MM
100MM X 50MM X 6MM
150MM X 40MM X 4MM
200MM X 55MM X 6MM
Length : 3000MM / 6000MM

FRP PULTRUDED PROFILE

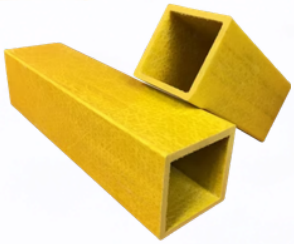
Specification

04 PIPE



DIMENSION :
50MM X 6MM
Length : 3000MM / 6000MM

05 HOLLOW



DIMENSION :
50MM X 50MM X 4MM
50MM X 50MM X 6MM
75MM X 75MM X 6MM
75MM X 75MM X 7MM
75MM X 75MM X 9MM
Length : 3000MM / 6000MM

06 H-BEAM



DIMENSION :
150MM X 150MM X 8MM
Length : 3000MM / 6000MM

FRP Handrail

Application Reference









Certified Credentials
and Quality Standards



















Lasting Performance

PT Teknik Budi Perkasa is committed to delivering high-quality FRP Roof and Cladding that ensure safety, durability, and efficiency for every industrial application.

Let's Build Together

Partner with us for reliable products, trusted service, and long-term success.

Contact Us

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Kali Rungkut, Kec. Rungkut,
Surabaya, Jawa Timur 60293

Plant I
Pergudangan 99 Blok S 6
Jl. Raya Salembaran, Cengklong
Kosambi – Dadap
Tangerang – 15212

Plant II
Pergudangan 99 Blok T 1A - T 1B
Jl. Raya Salembaran, Cengklong
Kosambi – Dadap
Tangerang – 15212

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