



FRP HANDRAIL SYSTEM

Handrail &
Profile



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.



PT TEKNIK BUDI PERKASA
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01

DHRAIL FRP HANDRAIL



Corrosion
Resistant



High
Strength



Lightweight



Non
Conductive



UV
Resistant



Fire
Retardant



Chemical
Resistant



Low
Maintenance



Radio Frequency
Transparency

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

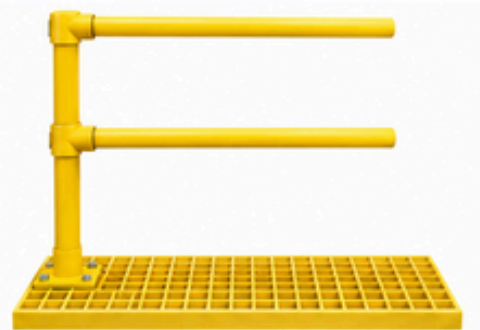
Available Accessories

07 45° CROSS**08 90° ELBOW****09 45° ELBOW****10 UD JUSTABLE ELBOW****11 CORNER TEE****12 CORNER CROSS****13 SIDE BASE**

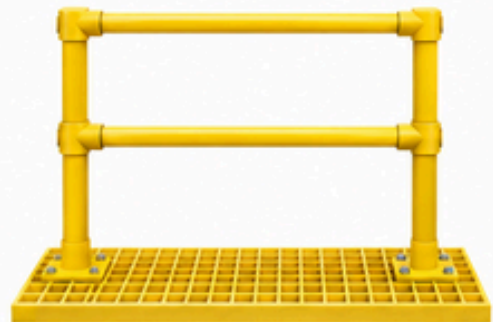
FRP Handrail

Handrail Configuration : Two-Line Handrail Systems

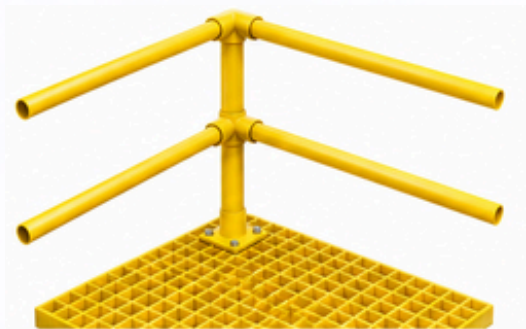
01 END STAND HANDRAIL



02 CORNER STAND HANDRAIL



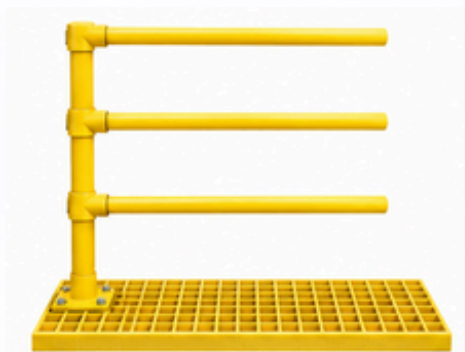
03 CONTINUE STAND HANDRAIL



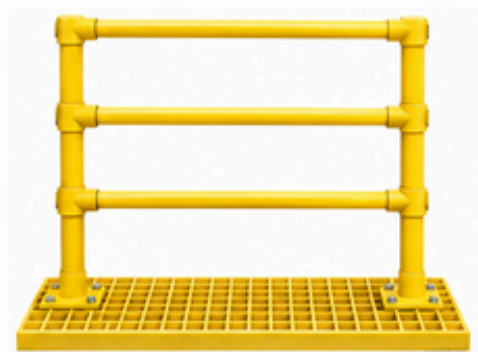
FRP Handrail

Handrail Configuration : Three-Line Handrail Systems

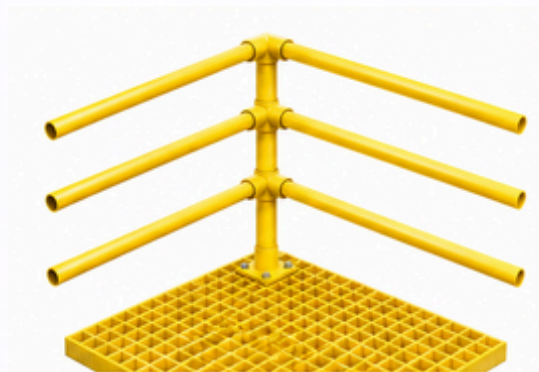
01 END STAND HANDRAIL



02 CORNER STAND HANDRAIL



03 CONTINUE STAND HANDRAIL





PT TEKNIK BUDI PERKASA
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02

DLINEE FRP PROFILE



Corrosion
Resistant



High
Strength



Lightweight



Non
Conductive



UV
Resistant



Fire
Retardant



Chemical
Resistant



Low
Maintenance

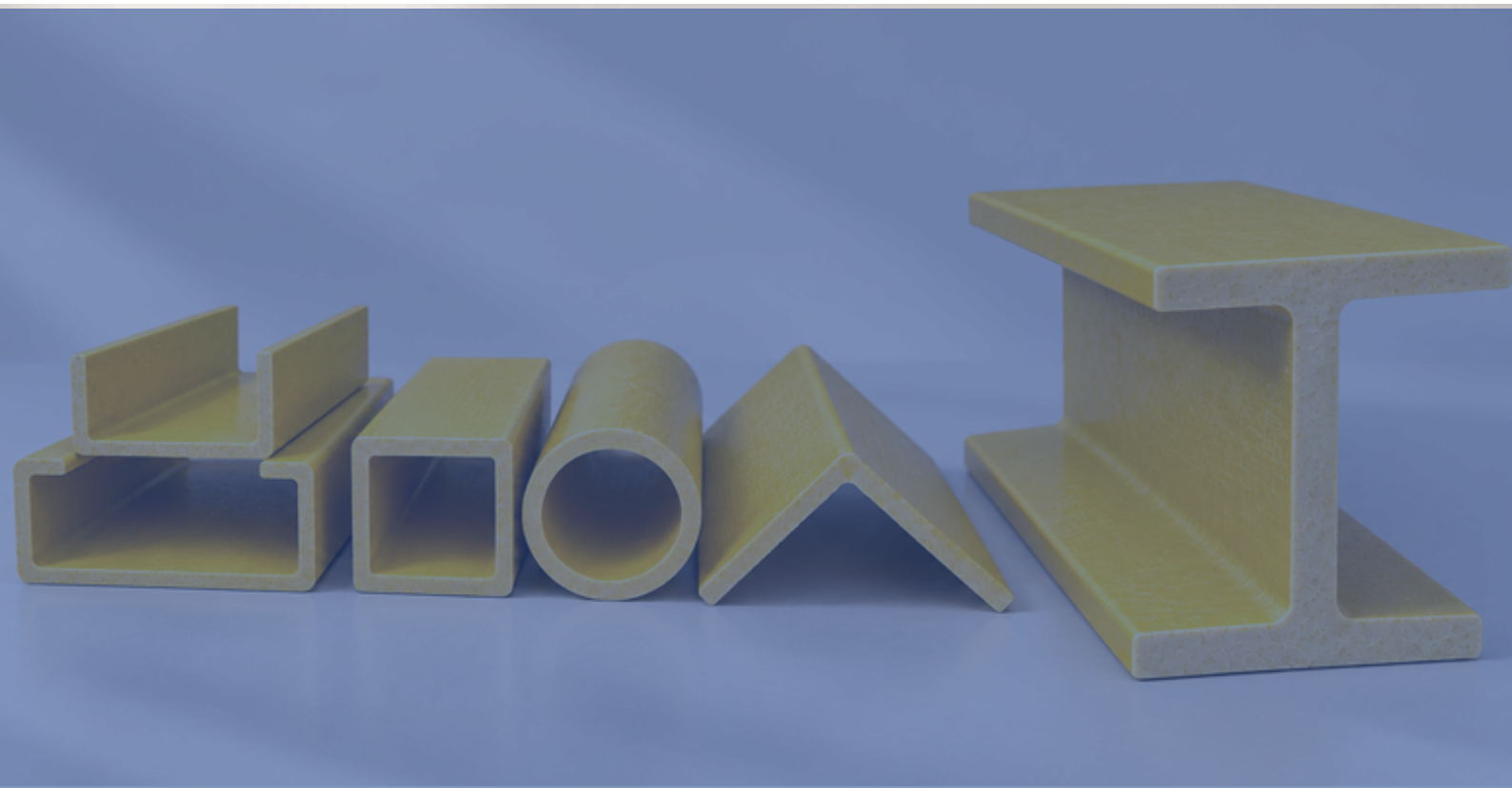


Radio Frequency
Transparency

FRP STRUCTURAL PROFILE

FRP Profiles

FRP Structural 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**



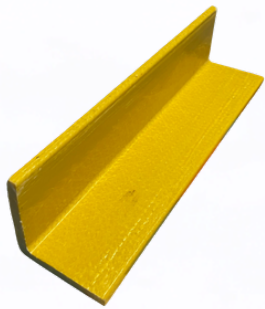
Data Centers

FRP STRUCTURAL PROFILE

Specification

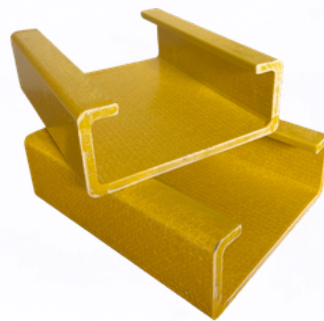
FRP Profiles offer a lightweight, high-strength, and corrosion-resistant solution for various structural and industrial applications. Available in a wide range of shapes and sizes, they provide durability, flexibility, and long-lasting performance in demanding environments.

01 ANGEL BAR



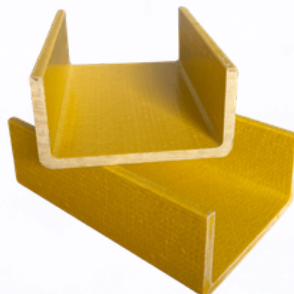
DIMENSION :
50MM X 50MM X 6MM
75MM X 75MM X 7MM
Length : 3000MM / 6000MM

02 CNP



DIMENSION :
125MM X 50MM X 6MM
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 STRUCTURAL PROFILE

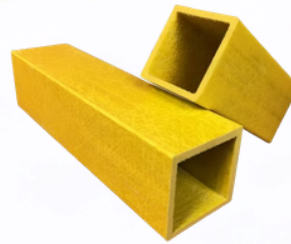
Specification

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 Handrail 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



PT Teknik Budi Perkasa

Head Office

Pergudangan 99 Blok R7
Jl. Raya Salembaran, Cengklong
Kosambi – Dadap
Tangerang – 15212

Branch Office - Surabaya

Jl. Rungkut Alang-Alang No.25,
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



WhatsApp : 0852-1123-6800



Phone : 021 2255 0092



Email : marketing@teknikbudiperkasa.com



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