



FRP ROOFING SYSTEM

Roof
Cladding



PT TEKNIK BUDI PERKASA
THE BEST PARTNER



About

PT Teknik Budi Perkasa

PT Teknik Budi Perkasa has been 11 years of shaping the future with innovative FRP (Fiberglass Reinforced Polymer) solutions. Since 2015, 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

ROOF & CLADDING



Corrosion &
Chemical
Resistant



High
Strength



Lightweight



Non
Conductive



UV
Protection



Fire
Retardant



Optimal Light
Transmission



Low
Maintenance



Long Lifespan

LAYER 1:**DOUBLE LAYER
UV PROTECTION**

Made of 2 layers of plastic film.
Provides glossy effect and UV resistance for long-lasting color.

LAYER 2:**STRUCTURAL
LAMINATION LAYER**

High-strength fiberglass with premium resin and additives for superior load absorption and durability.

LAYER 3:**CHEMICAL
RESISTANT
BACKBONE**

Resin with chemical and anti-alkali catalysts, resistant to acid, alkali, corrosion, abrasion, and saltwater.

DROF

FRP Roof and FRP Cladding

DROF is a premium FRP (Fiberglass Reinforced Plastic) roofing and cladding solution offering excellent corrosion resistance, lightweight strength, superior daylight transmission, and long-lasting durability. Ideal for industrial facilities, warehouses, factories, and chemically aggressive environments.

Available in Clear, Blue, Green, White Gelcoat, and Grey Gelcoat finishes.

Characteristics	Value
Densitas (as per ASTM D792)	1350 - 1900 kg/m ³
Tensil Strength (as per ASTM D638)	60 - 100 MPa
Modulus of Elasticity (as per ASTM D638)	3000 - 6000 MPa
Shear Stregth (as per ASTM D732)	10 - 35 Mpa
Horizontal Flammability (as per UL94 / ASTM D635)	≤ 50 mm/min
Normal Services Termperature Up To	65°C
Barcol Hardness	≥ 50

Applications



Industrial Buildings



Warehouses



Manufacturing Plants



Power Plants



Chemical Plants



Oil & Gas Facilities



Food & Beverage Plants



Water Treatment Facilities



Agricultural Buildings



Commercial Buildings

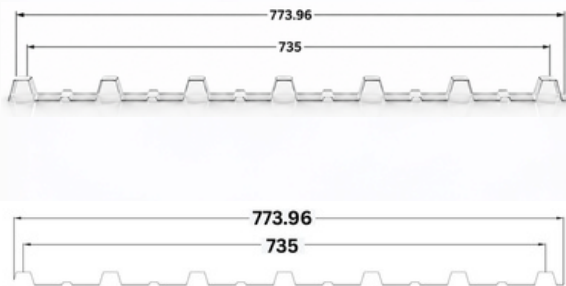
FRP ROOF & CLADDING

Available Type

FRP Roofing System designed as a lightweight, corrosion-resistant roofing solution with excellent durability in industrial environments. Available in various types and profiles that can be selected according to specific project requirements. Suitable for various applications, including factories, warehouses, and commercial buildings.

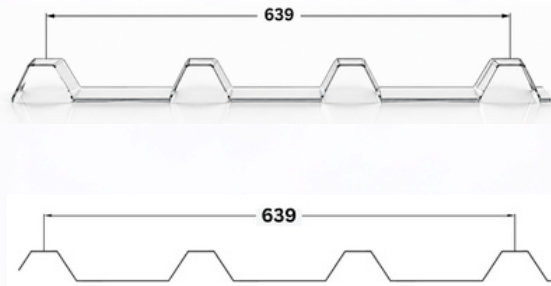
01 DROF F.735

Compatible with Fumira-735



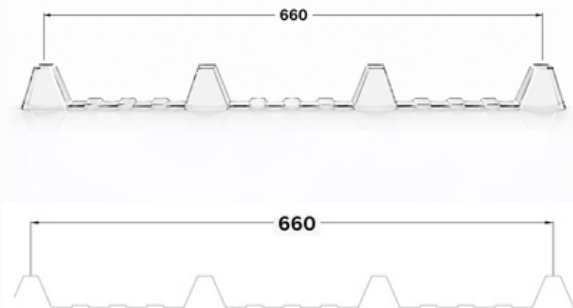
02 DROF ADH.700

Compatible with ADH-700



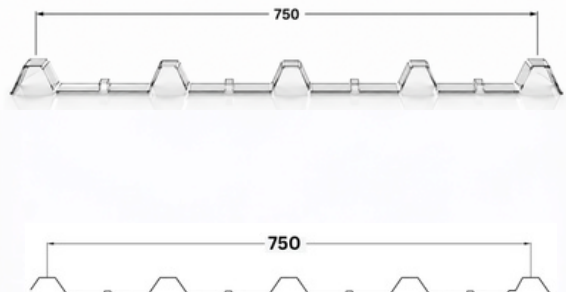
03 DROF UCP

Compatible with Union Clip Panel



04 DROF GG.750

Compatible with Fumira GG-750



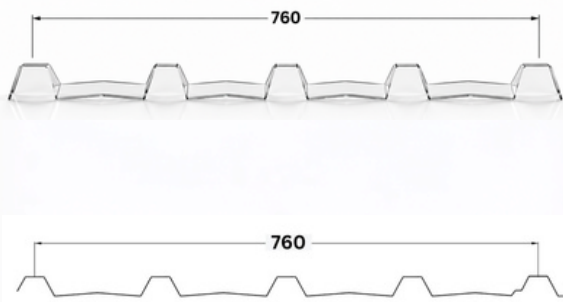
Available in 5 colors :
Clear, Blue, Green, White Gelcoat, Grey Gelcoat.

FRP ROOF & CLADDING

Available Type

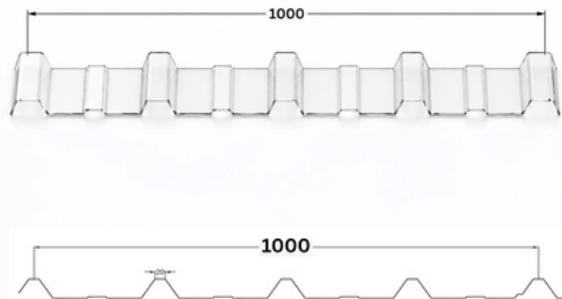
05 DROF T.760

Compatible with Trimdeck-760



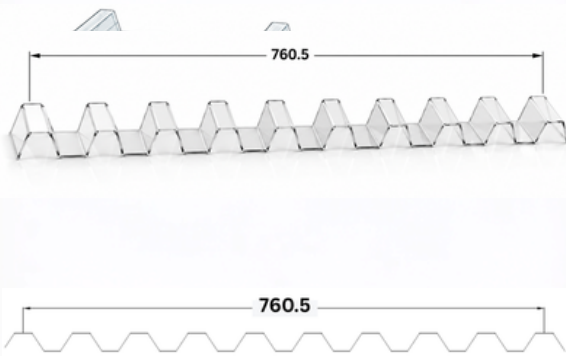
06 DROF SR.1000-1

Compatible with Single Rib 1000-1



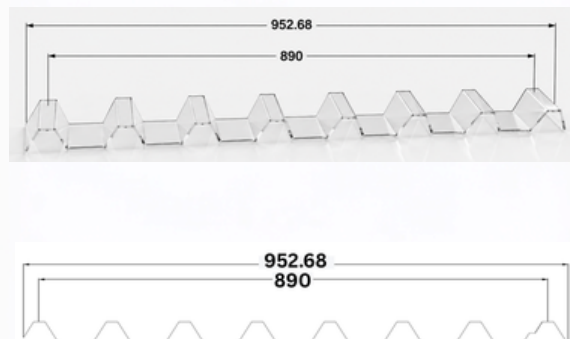
07 DROF SD.760

Compatible with SD-760



08 DROF LT.7.890

Compatible with LT-7.890



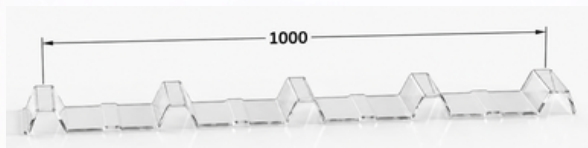
Available in 5 colors :
Clear, Blue, Green, White Gelcoat, Grey Gelcoat.

FRP ROOF & CLADDING

Available Type

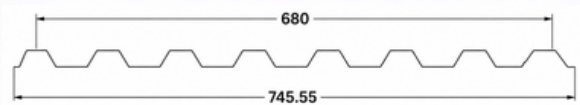
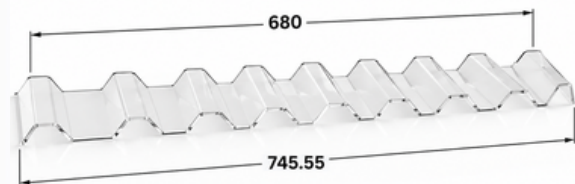
09 DROF SR.1000-2

Compatible with Single Rib 1000-2



10 DROF FG.680

Compatible with Fumira G-680



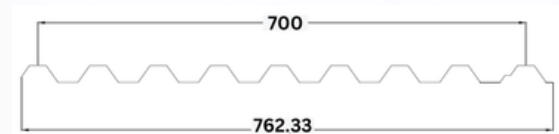
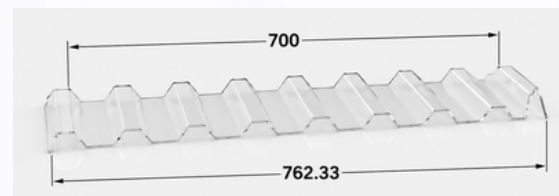
11 DROF F BL.600

Compatible with Fumira BL-600



12 D-ROF S.700

Compatible with Spandek-700



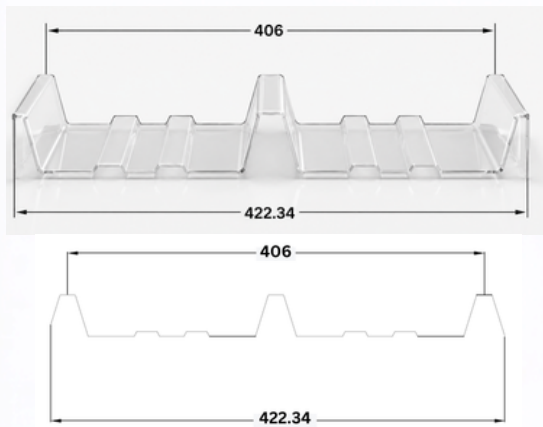
Available in 5 colors :
Clear, Blue, Green, White Gelcoat, Grey Gelcoat.

FRP ROOF & CLADDING

Available Type

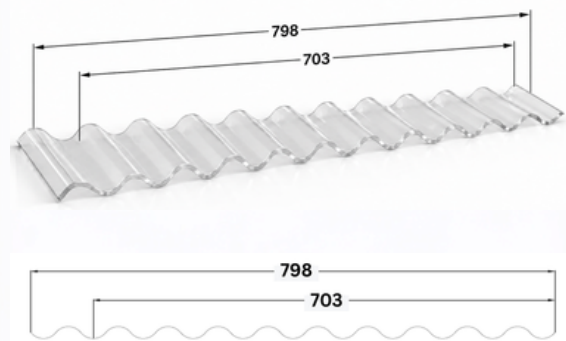
13 D-ROF K.406

Compatible with Kliplock-406



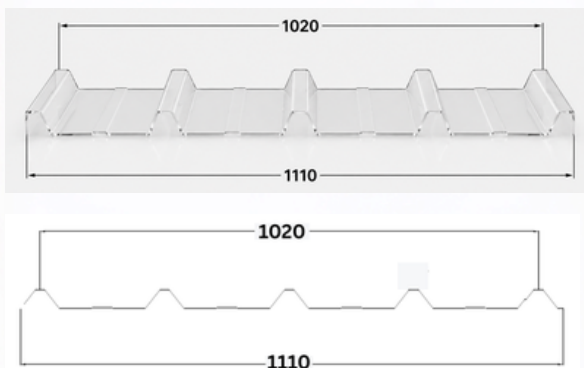
14 D-ROF F.735

Compatible with Fumira-735



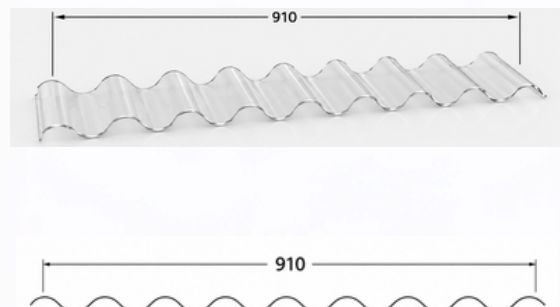
15 D-ROF SR.1020

Compatible with Single Rib-1020



16 D-ROF CT.910

Compatible with CT.910



Available in 5 colors :
Clear, Blue, Green, White Gelcoat, Grey Gelcoat.

PRODUCTION PROCESS

ROOF GELCOAT

01 STEP 1



First Resin Pouring

Resin is evenly poured as the initial layer to form the base of the FRP Roof.

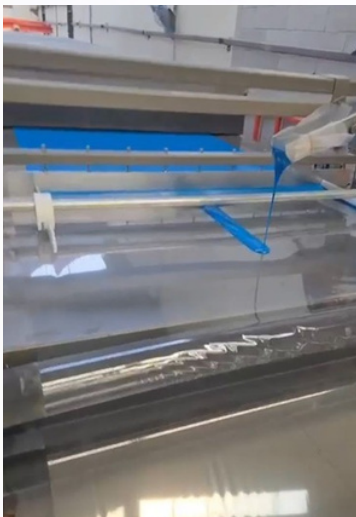
02 STEP 2



Roving Application

Fiberglass roving is evenly distributed over the resin layer to provide structural reinforcement.

03 STEP 3



Gelcoat Resin Pouring

Gelcoat resin is poured and evenly spread to create a smooth, durable, and protective surface.

04 STEP 4



Two-Layer Bonding

The two layers are combined and pressed together to ensure proper bonding and consistent thickness.

PRODUCTION PROCESS

ROOF GELCOAT

05 STEP 5



Profile Forming

The bonded material is shaped using a forming machine according to the required roof profile.

06 STEP 6



Cooling Process

The formed FRP Roof is cooled until the material hardens and the profile becomes stable.

07 STEP 7



Cutting Process

The finished FRP Roof is cut to the required length and size.



Our machine speed is
4 meters per minute.

FRP Roof

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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Kosambi – Dadap
Tangerang – 15212

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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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