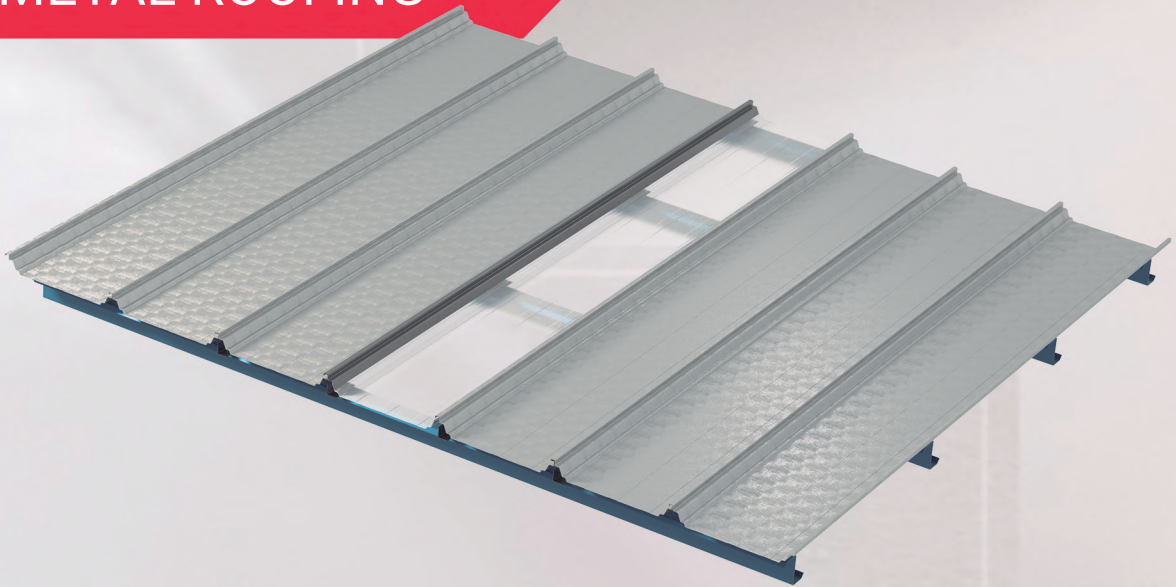


 **PLANEFIBRA®**

TRANSLUCENT  
PANELS FOR ZIPPED  
METAL ROOFING





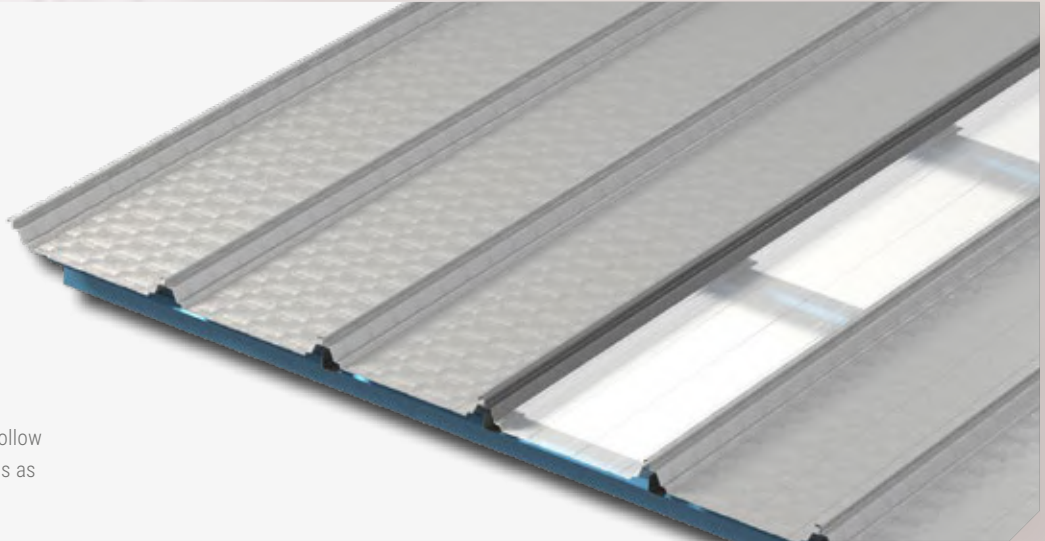
# NATURAL LIGHTING SOLUTIONS FOR **ZIPPED METAL ROOFS**

Planefibra offers a new concept in natural lighting for zipped metal roofing systems. They are FRP (Fiberglass-reinforced polyester) products that maintain the building architectural aesthetics, ensure excellent water flow and complete watertightness.

## OUR BENEFITS:

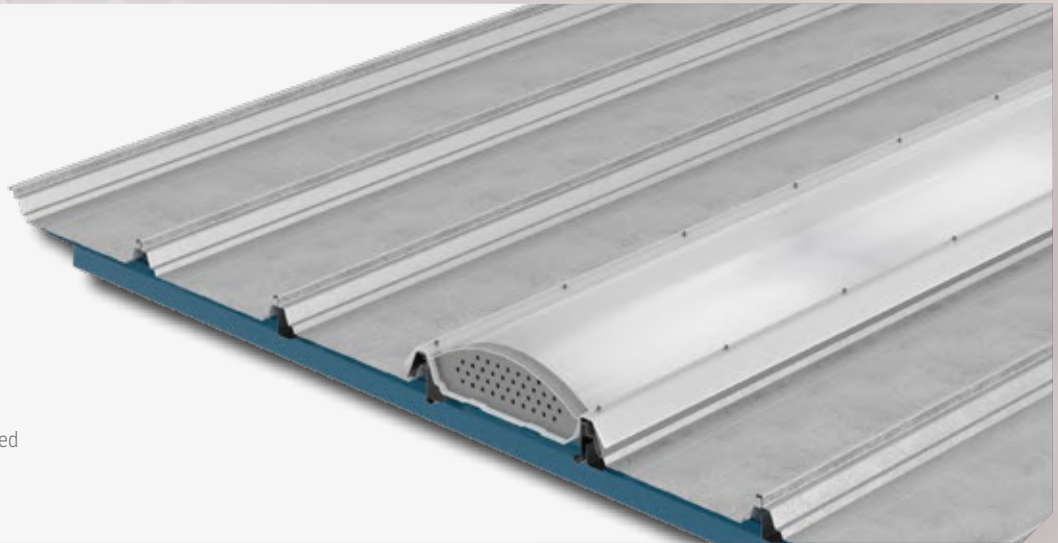
- ✓ Excellent **natural lighting passage**.
- ✓ Products **made to order** for your building project.
- ✓ **Adaptable** to a variety of roof models in the market.
- ✓ Each part comes with guaranteed **tracking ability**.
- ✓ **High standards of finishing**, maintaining the project's aesthetics.
- ✓ **Efficient, safe and highly resistant to flames**, in case of a fire.  
Your products are manufactured **according to IT 10 (CLASSE II-A)**.

OUR PRODUCTS WERE DESIGNED FOCUSING ON  
**PROVIDING PERSONALIZED SOLUTIONS FOR YOUR  
PROJECT NEEDS.**



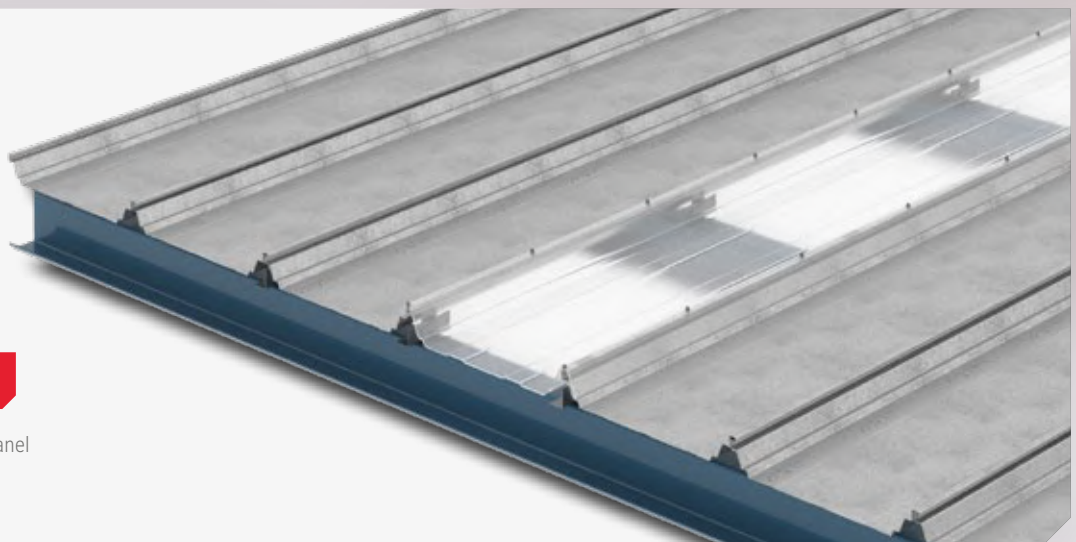
**Ziplan®**

Translucent panels which follow the same building standards as the zipped metal panels.



**Termoplan® Zip**

Continuous Vault for zipped metal roofs.



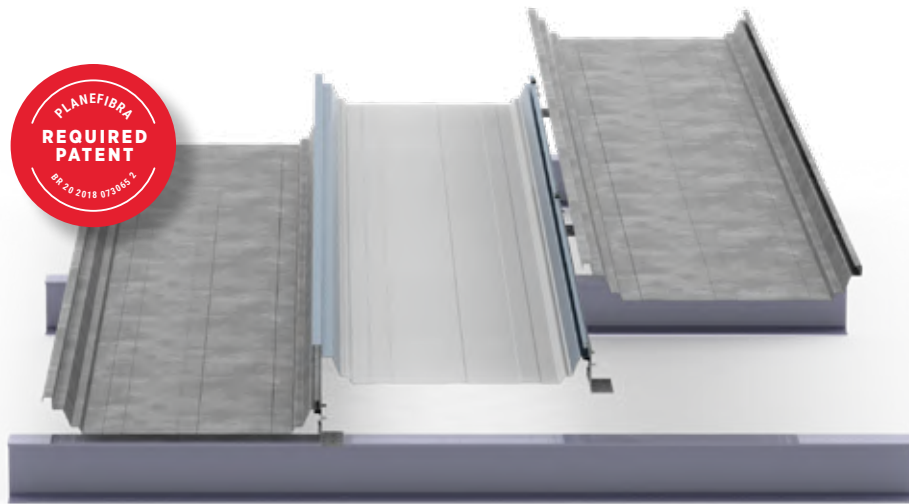
**Standard Zip**

Standard translucent panel for zipped metal roofs.

# ZIPLAN®

THE ZIPLAN SYSTEM MAY BE **PRODUCED ACCORDING TO THE PANEL PROFILE NEEDS AND THE BUILDING PROJECT.**

Besides guaranteeing the project aesthetics, it also ensures an excellent water flow and complete watertightness, because the **fixation is made through a zipping system**, resulting in an easy to apply and assemble roofing system.



- ✓ It allows for an excellent **natural light passage**.
- ✓ Excellent sealing, **ensuring 100% watertightness**.
- ✓ **Easy to assemble**, through a zipping system.
- ✓ **Adaptable** to all the different panel models found in the market.
- ✓ Each part has an individual tracking number, to guarantee traceability.
- ✓ **Offer fire resistant solutions – IT 10 class II-A.**
- ✓ Exclusive project, with **patent required by PlaneFibra**.





ZIPLAN, Planefibra translucent panel, manufactured in **FRP (Fiberglass-reinforced polyester)**, with **zipped system fixation** and adaptable to all the different panel models found in the market.



Our ZIPLAN® system **allows the manufacture of lighting windows** - when using the translucent tile in the center of the roof distributing the lighting points.



It does not interfere in the structural dimensions, since it is lighter than the roof tile that will be removed for the panel installation, according to our **TECHNICAL MANUAL**.



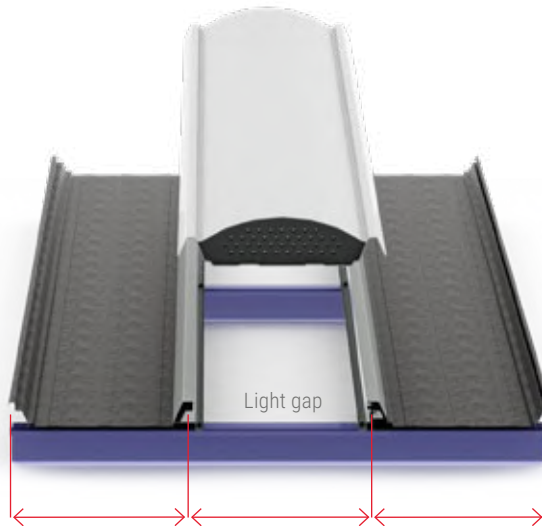
Installation may be performed by the client's own team, with Planefibra's technical support, as needed.



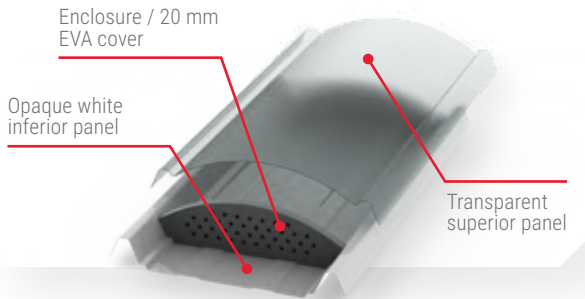
We recommend a light cleaning (water and neutral dishwashing liquid) every semester or every year, depending on the amount of suspended air particles on site. **According to our manual – TRANSLUCENT ROOFS CLEANING AND INSPECTION.**

# TERMOPLAN® ZIP

## CONTINUOUS VAULTS FOR ZIPPED METAL ROOFS



Measured according to each project



Termoplan® continuous vaults offer a natural diffusion of daylight, allowing light to spread more evenly throughout the environment. Due to its versatility, it could be used in zipped metal roofs, including air-conditioned environments, which are temperature sensitive, such as home centers, industrial areas, sports and logistics centers.

They allow for the best use of natural lighting, replacing or complementing electrical lighting systems, while greatly reducing external heat, resulting in energy savings and thermal comfort.

### TERMOPLAN® BENEFITS



#### TEMPERATURE CONTROL

Thanks to the thermal insulation capacity provided through the air pocket, it allows for internal environment temperature control.



#### LIGHTING RETENTION

Low lighting retention, which allows for an excellent passage of white sunlight.



#### ENERGY EFFICIENCY

By using sunlight in an environment, it is possible to considerably reduce energy consumption and costs.

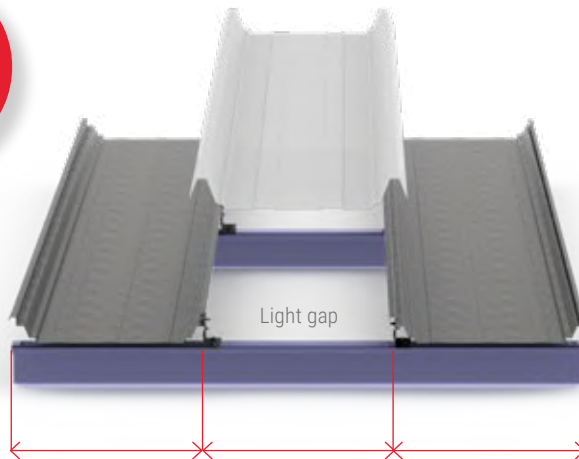


#### CONDENSATION REDUCTION

Due to the low thermal conductivity of the air, it reduces condensation inside the environment.

# STANDARD ZIP

## STANDARD TRANSLUCENT PANEL FOR ZIPPED METAL



Measured according to each project

Designed to fit any model of zipped metal panels, its gap fits the space of a metal panel and its edges must overlap it.

The stitch screw is fixed directly to the crest of the zipped panel or fastening clip. This format allows for a greater resistance against the winds.

Planefibra panels are the only ones in the market with UV protection polyester film on both sides, as a standard finishing for all models, at no additional cost.

PANEL WITH NO PROTECTION FILM COMMON PANEL ON THE MARKET	PANEL WITH TOP GRADE 2 PROTECTION FILM	PANEL WITH GRADE 1 PROTECTION FILMS	PANEL WITH POLYESTER VEIL AND PLANEFIBRA GRADE 1 UV PROTECTION FILMS (PLUS)
<p>2 FIBER GLASS + RESIN</p>	<p>1 POLYESTER FILM WITH UPPER UV PROTECTION</p> <p>2 FIBER GLASS + RESIN</p>	<p>1 POLYESTER FILM WITH UPPER UV PROTECTION</p> <p>2 FIBER GLASS + POLYESTER RESIN WITH UV PROTECTION</p> <p>3 POLYESTER FILM WITH LOWER UV PROTECTION</p>	<p>1 POLYESTER FILM WITH UPPER UV PROTECTION</p> <p>2 FIBER GLASS + POLYESTER RESIN WITH UV PROTECTION</p> <p>3 POLYESTER FILM WITH LOWER UV PROTECTION</p> <p>4 SURFACE VEIL</p>

Planefibra also offers **safe and efficient solutions with high resistance to the spreading of flames**, in case of a fire. These are products that fulfill the demands of the construction market, considering the risk of fire in commercial, industrial and public buildings according to IT 10 (CLASS II-A).

# PERSONALIZED SERVICE

## **Above all, we are experts in this business.**

After all, it is your project's roof that we are talking about.

Focused on the construction and industry sectors, through the vast experience acquired over the years and a team of specialized professionals, Planefibra always **develops its products to meet a demanding market in the roofing segment.**

**We specialize in roofing products made of fiberglass-reinforced polyester, FRP**, and it is our commitment to excel in panel manufacturing and in all the services we offer.

**Our engineering and project departments offer technical support to our clients, so they could choose the best roofing or ventilation system alternatives for their projects.**

## **OUR WORK METHOD**

- ✓ Engineering department assistance as needed.
- ✓ After the digital projects are available, analyze them to determine the needs and application of products.
- ✓ Calculate the total cost of Planefibra products that will be used in the project.
- ✓ Prepare a lighting design and its consequent versatility (investment return, suitable products, exclusive solutions).
- ✓ Identify the right product for the roofing or ventilation system.
- ✓ Provide technical information on storage and material handling.
- ✓ Product certification and/or compliance with the applicable codes.
- ✓ Specified product assembling project in exclusive projects.





## PLANEFIBRA, YOU CAN COUNT ON US!

- ✓ Production line with efficient methods and trained and experienced professionals.
- ✓ Special service and guaranteed scheduled delivery.
- ✓ High-quality material, focusing on more resistant and long-lasting products.
- ✓ Full compliance with the NBR 16753 code.  
Our panels are the only ones on the market that have a polyester film with UV protection on both sides as a standard finish.
- ✓ Projects that seek a short-term return on your investment – Termoplan® Continuous Vaults.
- ✓ Natural lighting solutions for zipped metal roofs.
- ✓ Roofs designed for aggressive environments or places with corrosive products.
- ✓ Flame resistant products, tested in accordance with NBR 9442, ASTM E662 and IT 10/2011 - Class II-A | UL 94/97
- ✓ Ventilation systems / Industrial shutters.
- ✓ Your best option for road sign making, meeting the NBR 13.275:2013 code.
- ✓ Products offered in traditional colors, natural transparent and opaque white, as well as color pigmentation options, with the possibility of creating different shades to suit specific projects.
- ✓ We manufacture practically all models of panels in the market, whether you are replacing old roofs or making new building projects.

 **PLANEFIBRA®**

# #PLANEFIBRA®

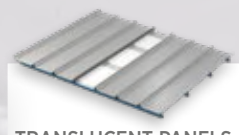
## OUR PRODUCTS



TRANSLUCENT ROOFING PANELS



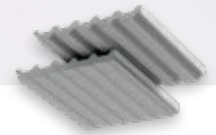
TERMOPLAN® CONTINUOUS VAULT



TRANSLUCENT PANELS FOR ZIPPED METAL ROOFING



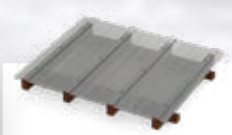
CORROSION RESISTANT ROOFING PANELS



FRP PANEL/TRAY TO COMPOSE THERMOACOUSTIC PANELS



#RC FIRE RESISTANT



PANELS FOR PERGOLAS



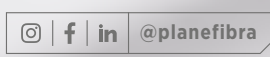
VENTILATION SYSTEM /INDUSTRIAL SHUTTERS



VERTICAL ROAD SIGNS



[planefibra.com.br](http://planefibra.com.br)



[@planefibra](https://www.instagram.com/planefibra)

+55 (47) 3203-4700 . [comercial@planefibra.com.br](mailto:comercial@planefibra.com.br)  
Av. dos Imigrantes, 1770 . Bairro Brasília . CEP 89282-685  
São Bento do Sul . SC