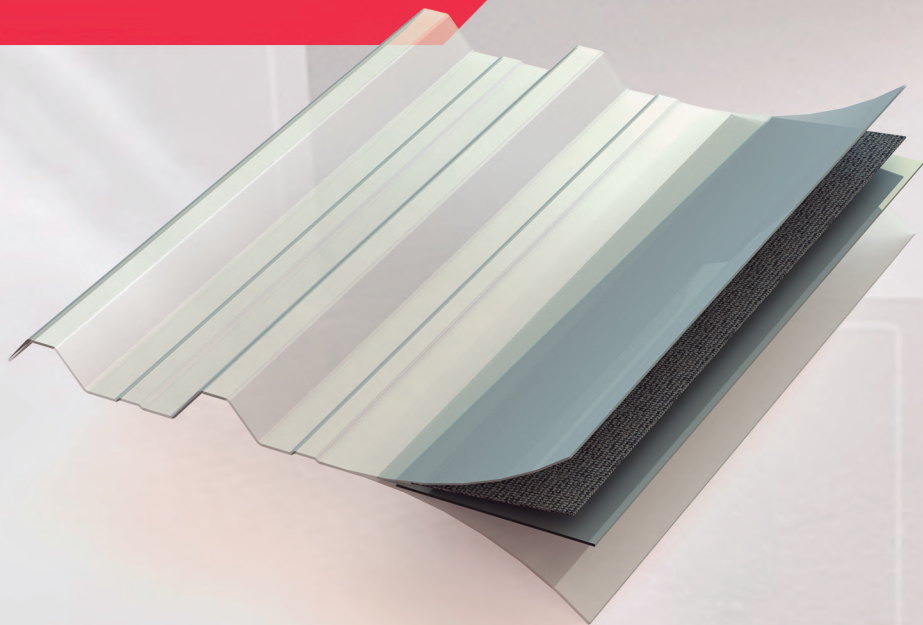


 **PLANEFIBRA®**

**TRANSLUCENT  
ROOFING PANELS**





# TRANSLUCENT PANELS

## DURABILITY, PROTECTION AND SUSTAINABILITY FOR YOUR PROJECT

The greater amount of fiberglass in the composition of Planefibra tiles makes them **28% more resistant than the common on the market**. Modern and efficient architectonic projects count with the superior quality of Planefibra translucent panels. **Durable and highly resistant**, the products fulfill a variety of construction needs, such as roofing systems and front and side enclosures that significantly increase brightness in the environment.

The guarantee of **scheduled deliveries and specialized customer service** are competitive edges that sets Planefibra apart as a reference in its sector.



**Full compliance with the NBR 16753 code** - Specific for fiberglass-reinforced polyester - Flat sheets, panels, and continuous vaults – Requirements and testing methods. 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.

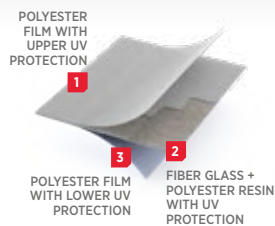
**PANEL WITH NO PROTECTION FILM  
COMMON PANEL ON THE MARKET**



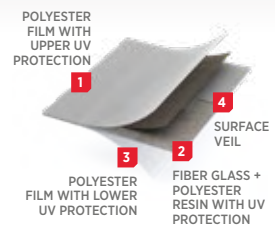
**PANEL WITH TOP  
GRADE 2  
PROTECTION FILM**



**PANEL WITH  
GRADE 1  
PROTECTION FILMS**



**PANEL WITH POLYESTER VEIL  
AND PLANEFIBRA GRADE 1 UV  
PROTECTION FILMS (PLUS)**



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).

## NATURAL LIGHTING

Natural lighting is key in sustainable projects, since taking **advantage of sunlight makes the environment more functional and enjoyable**, resulting in countless benefits for the companies:

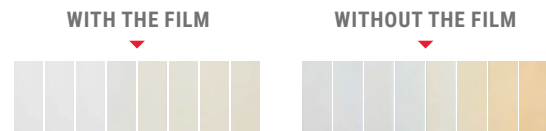
- ✓ Energy savings due to the efficient use of sunlight.
- ✓ Short term investment return (6 to 12 months).
- ✓ More productivity due to sunlight use.
- ✓ Less visual fatigue, resulting in more quality of life and willingness to perform tasks.
- ✓ Promotes well-being in the work environment, fulfilling the psychological and physical needs, since it allows for a more comfortable and functional environment.

## DURABILITY

Technical reports show a comparison between the natural yellowing time of the Planefibra panels that receive the external film, versus the common panels found in the market which don't have that protection.

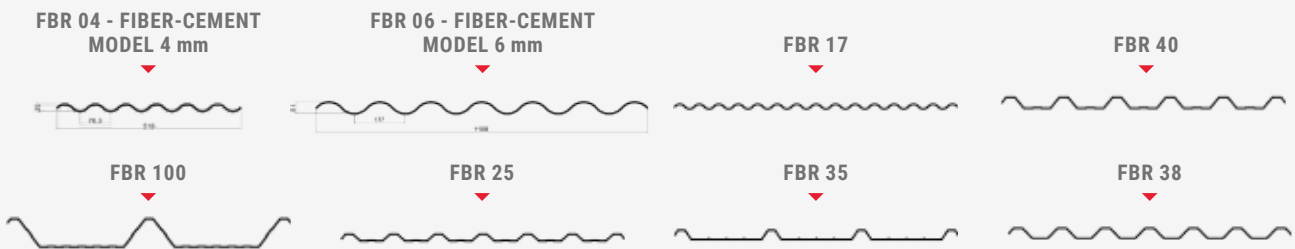
- ✓ **Verified with the polyester film.**

### COMPARATIVE IMAGE



## MODELS

We provide all panels according to the manufacturer's profile model.



### PERSONALIZED PROJETS

The compensation of the translucent panel for the thermal panel can be done regardless of how thick is the insulation.



## CODES AND SPECIFICATIONS / TESTS

### Guidance Data FBR40/980

GEOMETRICAL PROPERTIES				THERMAL COEFFICIENT	LIGHT PASSAGE		SOLAR FACTOR G	
Thickness (mm)	Weight per unit (kg/m)	Weight per unit (kg/m <sup>2</sup> )	Maximum gap between columns (m)	U (W/m <sup>2</sup> .K)	Opaque white	Transparent	Branca Leitosa	Incolor
0,80	1,43	1,45	1,80	4,40	53,28%	88,00%	57,79%	81,75%
1,00	1,78	1,82	2,00	4,40	52,82%	87,25%	57,30%	81,05%
1,20	2,14	2,18	2,20	4,40	51,40%	84,90%	55,76%	78,87%
1,50	2,67	2,73	2,50	4,40	50,37%	83,20%	54,64%	77,29%
2,00	3,56	3,64	2,80	4,40	49,40%	81,60%	53,59%	75,80%
3,00	5,35	5,46	3,00	4,40	48,52%	80,15%	52,64%	74,45%

• Density used to calculate the theoretical weight: 1.35 kg/m<sup>3</sup>; • Maximum gap between columns calculated considering translucent panel combined with metal panel, with maximum load of 60 kg/m<sup>2</sup> with maximum deflection of L/120; • Tests of the U-value according to ASTM C518, performed by LabEEE of the Federal University of Santa Catarina; • Visible light passage according to ASTM E903, test performed at Planefibra's lab; • G Solar Factor, according to ISO 9050 / ASTM E903, performed by LabEEE of the Federal University of Santa Catarina; • Minimum inclination of 5%.

# 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®

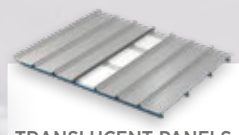
## OUR PRODUCTS



TRANSLUCENT ROOFING PANELS



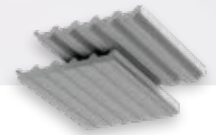
TERMOPLAN® CONTINUOUS VAULT



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)

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+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