



Energy Saving



Less Visual fatigue



Productivity increases



greater feeling of spaciousness



Improve vitamin metabolism



Encourages concentration levels



contributes to the achievement of LEED points



Tejaluz® FRP roofing sheets provide a long service life due to being manufactured with FiberGlass Reinforced Plastic.

Our trasnlucuent roofing solutions work in with the most defying winds, high corrosion levels and harsh Environment factor, with minimal maintenance.

The light difussion finishes and different colors allow to control the desired lighting level.

Tejaluz gives the possibility of several profiles to adapt to any type of opaque roofing panel.

- **Return over investmen between 3 and 5 years**
- **Corrsoion free system**
- **99% UV protection**
- **Tailored solution**
- **Hight mechanical resistance than other translucent materials**

Colors

Titanium T3

Titanium T5

LT: 49%
SHGC: 0,47

LT: 34%
SHGC: 0,42

Bleu*

Clear*

Ice

LT: 40%
SHGC: 0,52

LT: 65%
SHGC: 0,74

LT: 48%
SHGC: 0,58

*Colors will present a variation versus the reference images



Certificate with international test from Intertek Laboratory (formerly Architectural Testing)
* Calculated by correlations and inhouse tests.

Performance boosters*

Additives that maximize the performance of our solutions to ensure optimal performance against extreme situations and severe environmental factors present throughout the useful life of any building.



Fire retardant resin



Special chemical formulation



Aseptic layer



DayLigh Diffusor



Termo selective pigment and IR blocker



External & Internal protection with triple UV filter



Extra Coating against abrasion



Remove Virus and bacteria

FRP benefits (Fiberglass reinforced Plastic)



Thermal Stability



Optimal Strength



Versatile Design



UV Protection

| Fire Resistance | Standard Resin | Retardant | Self-extinguishing |
|--|----------------|-----------------------------|--------------------|
| | | Performance boosters FRplus | FRextreme |
| Thermal Stability | Yes | Yes | Yes |
| HDT - heat deflection temperature | 89°C | 95°C | 140°C |
| ASTM D 635 NATIONAL Certificate | CC2 (34mm/min) | CC2 (16mm/min) | CC1 (10,7mm/min) |
| UL-ASTM E-84 International certificate | NO | NO | CLASE 3 |



| Chemical Resistance | Standard Resin | Performance boosters | |
|--|----------------|----------------------|------------|
| | | QRplus | QRextreme |
| HDT - heat deflection temperature (Permanent - Occasional) | 75 - 89 | 90 - 100 | 100 - 149 |
| Caustic Soda 90% | Up to 48°C | Up to 65°C | Up to 80°C |
| Hydrochloric Acid 5% | 40°C | 70°C | 95°C |
| Warranty (Years) | 3 - 5 | 10 | 10 |



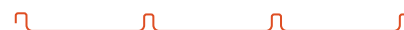
| Thermal Insulation | coefficient of linear expansion | Acoustic Insulation |
|--------------------|--|---|
| U=1.13BTU/h.ft2.F | 23x 10 ⁻⁶ 1/°C CIPP U. Andes Abril 2007 - Norma ASTM D-696 | 23 Db en una frecuencia de 3500 a 4000 Hz |

Applicable loads

| LOAD CHARTS | | | | | | | |
|--|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-------------------|
| Type of light | | | | | | | |
| Single span | | | | Composed span | | | |
| | | | | | | | |
| RANK | Load Char (C7) | | Load Char (C8) | | Load Char (C10) | | Load Char (C12) |
| Classification | Single span (m) | Composed span (m) | Single span (m) | Composed span (m) | Single span (m) | Composed span (m) | Composed span (m) |
| Height: from 3,80 to 6 | | | | | | | |
| 1 | 1,70 | 1,80 | 1,80 | 1,90 | 1,90 | 2,00 | 2,50 |
| 2 | 1,60 | 1,70 | 1,70 | 1,80 | 1,80 | 1,90 | 2,40 |
| 3 | 1,40 | 1,50 | 1,50 | 1,60 | 1,60 | 1,70 | 2,30 |
| Height: from 6,00 to 8,30 | | | | | | | |
| 1 | 1,80 | 2,00 | 1,90 | 2,10 | 2,00 | 2,30 | 2,70 |
| 2 | 1,70 | 1,90 | 1,80 | 2,00 | 1,90 | 2,20 | 2,60 |
| 3 | 1,60 | 1,70 | 1,70 | 1,80 | 1,80 | 1,90 | 2,50 |
| Roof higher than 8,30 | | | | | | | |
| 1 | 2,00 | 2,20 | 2,10 | 2,30 | 2,20 | 2,40 | 3,00 |
| 2 | 1,90 | 2,00 | 2,00 | 2,15 | 2,05 | 2,30 | 2,90 |
| 3 | 1,80 | 1,90 | 1,70 | 2,00 | 1,90 | 2,10 | 2,80 |
| NOTES | | | | | | | |
| *This chart doesn't apply for flat sky profile. For detailed analysis and calculation memories, please consult to our technical department | | | | | | | |
| * If the span is higher than the values expressed in the chart, please consult to the exiplast technical department. | | | | | | | |
| * If the roof sheet have a height o less than 3.81, please consult to our technical department. | | | | | | | |
| * If your project is not in Colombia, please consult to our technical department for specific data. | | | | | | | |

Profiles

100% TRANSLUCENT AREAS



Flat: Flatstanding

Traslucent stripes for skylights

Trapezoidal



Wavy



Standing seam



Injected Panel



Roof Walking recommendations

-Remember: The roof sheet is not passable, use walkways or use wooden planks supported by at least two straps to move on the deck.

-Signalize the translucent stripes as a risk area. Where longitudinal seal is required can be used RED BUTILEX to fulfill this function and document access to deck where authorization is restricted to walk through these areas.

Roofing maintenance

-Perform periodic cleaning maintenance (Minimum: once a year ideal: once per semester)

-Wash the translucent roof sheet with clean water under pressure direction of the slope and remove adhering dust with a soft bristle broom.

-Use PH Neutral soap without detergent.
-Review hardware and union kit to replace or retouch.

Warranty

From 5 to 10 years

* Limited warranty: Damages that are excluded in the warranty:
earthquakes, hurricanes, tornados, impacts from standing or walking on the roofs, by depositing metallic objects or objects with a weight that exceeds the load conditions of the same or mistreatment in handling of the translucent roofing sheet material.

By:

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