

SOLAR-FULLGLASSRAILING



HELIARTEC, a global player in the market of high-performance photovoltaic panels with an emphasis on aesthetic integration in facades, from Taiwan and **RAILINGCOMPANY** from Belgium, designer and producer of aluminum profiles for the balustrade sector, have found each other in marketing a solution in which the aesthetic and economic value intersect.

S-FGR or **Solar Full Glass Railing** is the product we offer.

Photovoltaic panels laminated between sheets of glass and fixed in custom aluminum glass clamp profiles with a unique patented **LOB** (Line Out Box) alignment system. No cables visible, safe and with an aesthetic added value.



Represented by Externa BV, as exclusive importer of various roof and facade systems, it has its registered office in Rotselaar.

With a strong focus on fast, efficient and at the same time modular and circular building systems, we help our customers to deliver their building projects extra energy-efficiently and aesthetically on a daily basis.

A Belgian company, located in Puurs-St-Amands (South of Antwerp), with a passion for aluminum profiles, glass & aesthetics.

Developing products from the point of view of installers to achieve an aesthetic ideal by working very cost-effectively.

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WHO DOES WHAT ?



PIXASOLAR will take care of everything that has to do with photovoltaic panels ;

- calculation of yield in function of ;
 - a. location (South, North, etc..)
 - b. surface of the panel
 - c. solar panel type (Full Black, Striping, Color)
- supply inverters
- connection of S-FGR with inverters



RAILINGCOMPANY will take care of everything that has to do with the installation of profiles and glass;

- anchoring details
- recommendation type of profile and glass
- managing/supervising their customer network that will also be responsible for the placement

WHAT HAS TO BE DONE FIRST ?

The ideal scenario is to first consider, together with **PIXASOLAR**, what you exactly want as a client before you start the construction of your project.

Do you wish to generate energy to provide electricity for;

- the heat pumps of your project
- the charging stations for the electric cars
- the common parts

Depending on your wishes, simulations of efficiency can be drawn up and afterwards we at **RAILINGCOMPANY** know what type of glass and dimensions are required.

We can then look further into how all this should be anchored. This can then be implemented in the structural plans so that the following activities can run smoothly.



WHAT IS POSSIBLE ?

FULL BLACK

FULL BLACK panels are, as the name suggests, non-translucent glass panels that are equipped with an optimal combination of solar cells.

These panels have a capacity of **+/- 175Wp/m2.**

COLOR

COLOR are non-translucent glass panels that are provided with a customer-specific color or logo to combine efficiency with marketing.

By using advanced ceramic printing technology, **PIXASOLAR** can give the glass any desired look. The possibilities are unlimited. Ideal for companies that want to incorporate their logo or image images into the glass balustrades.

Color panels will provide a power of **+/- 100-150 Wp/m2.**

STRIPES

STRIPES is a new semi-transparent solar panel. In this panel, the monocrystalline solar cells are incorporated between the glass as fine black slats.

The panels are 45% transparent, so you can see through them perfectly. Ideal for balconies used as living space.

These panels have a capacity of **+/- 110Wp/m2**



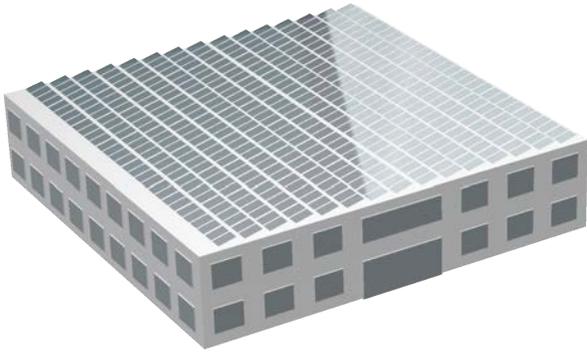
FULL BLACK



STRIPES



WOULD THERE BE A PROFILE FOR GLASS PANELS OF 2000MM HEIGHT ?



THINK OUT OF THE BOX

Traditionally, solar panels are placed on the roof and there is nothing wrong with that.

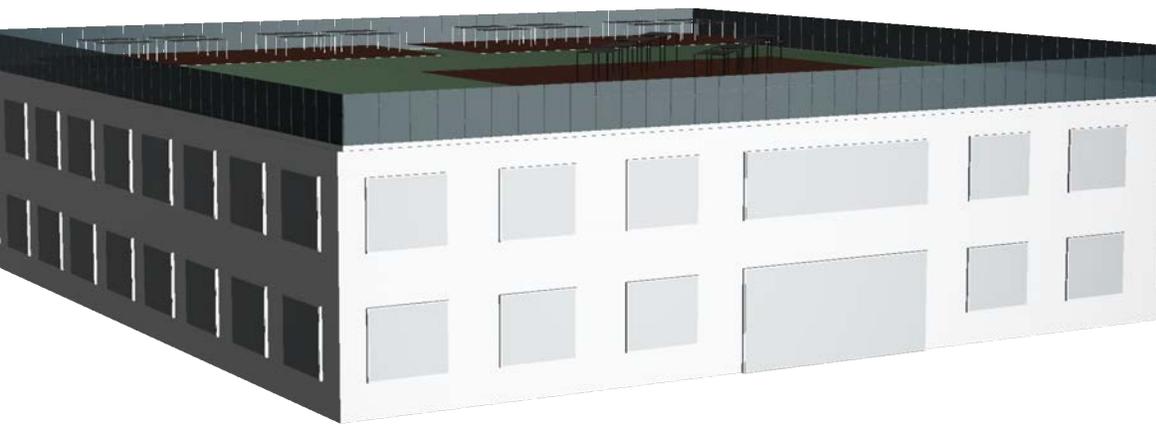
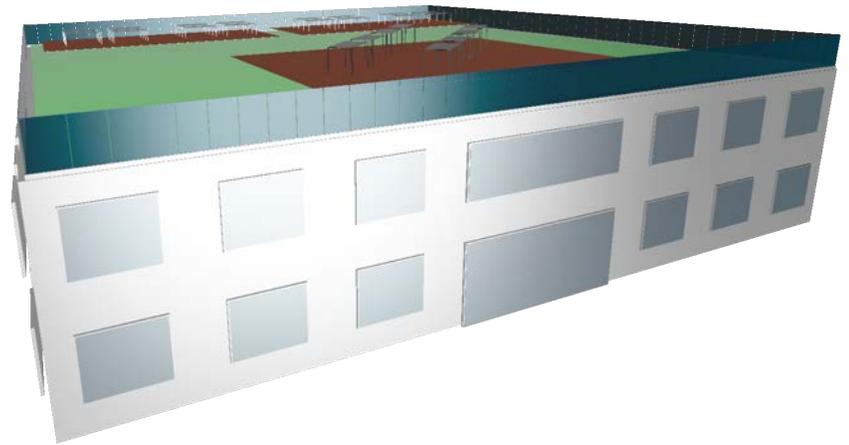
Be aware that the vertically placed **S-FGR** gives only 3% less than solar panels tilted on a flat roof.

We now offer the possibility of;

- Complementary **S-FGR** placed vertically
- **S-FGR** to use more usable space for outdoor living activities

By supplying our **S-FGR** panels at a height of 2000mm in our special **FGR-1500-T** glass clamps, we can actually double the efficiency of your solar panels and you can also sit sheltered from the wind.

Of course, the preparation of the anchoring will be important and the building must be equipped for these loads.



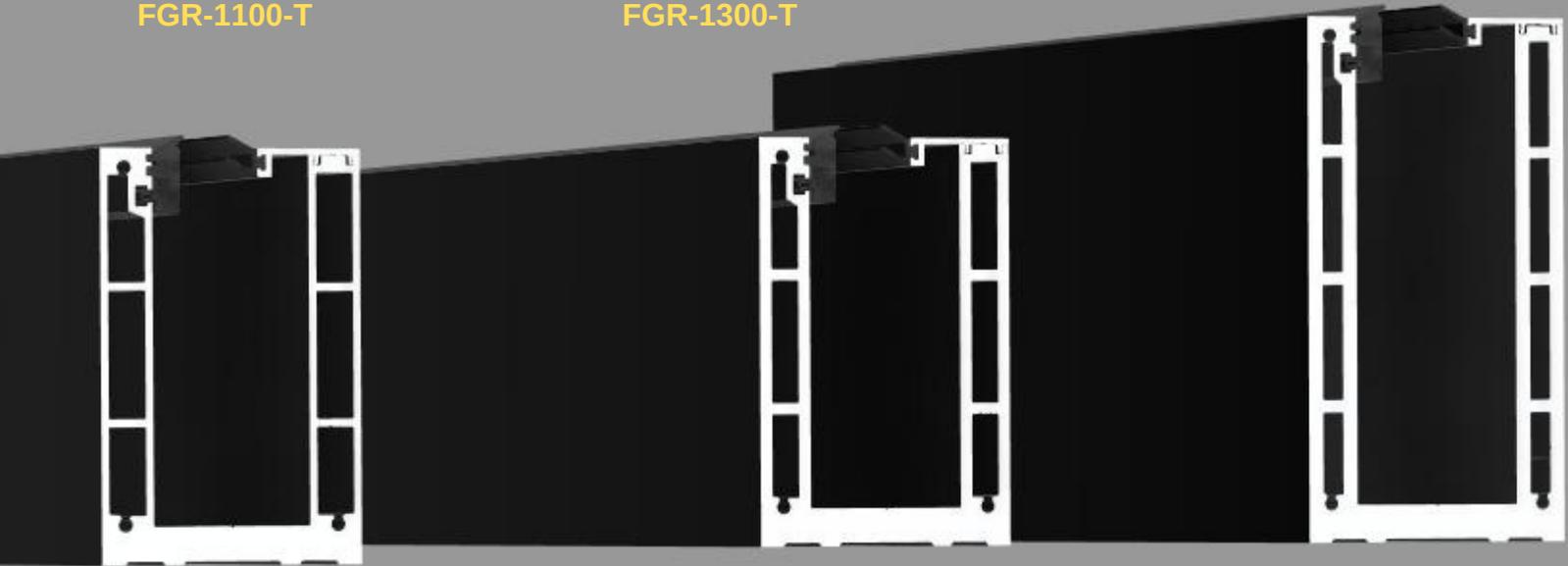
DIAMOND LINE



FGR-1500-T

FGR-1100-T

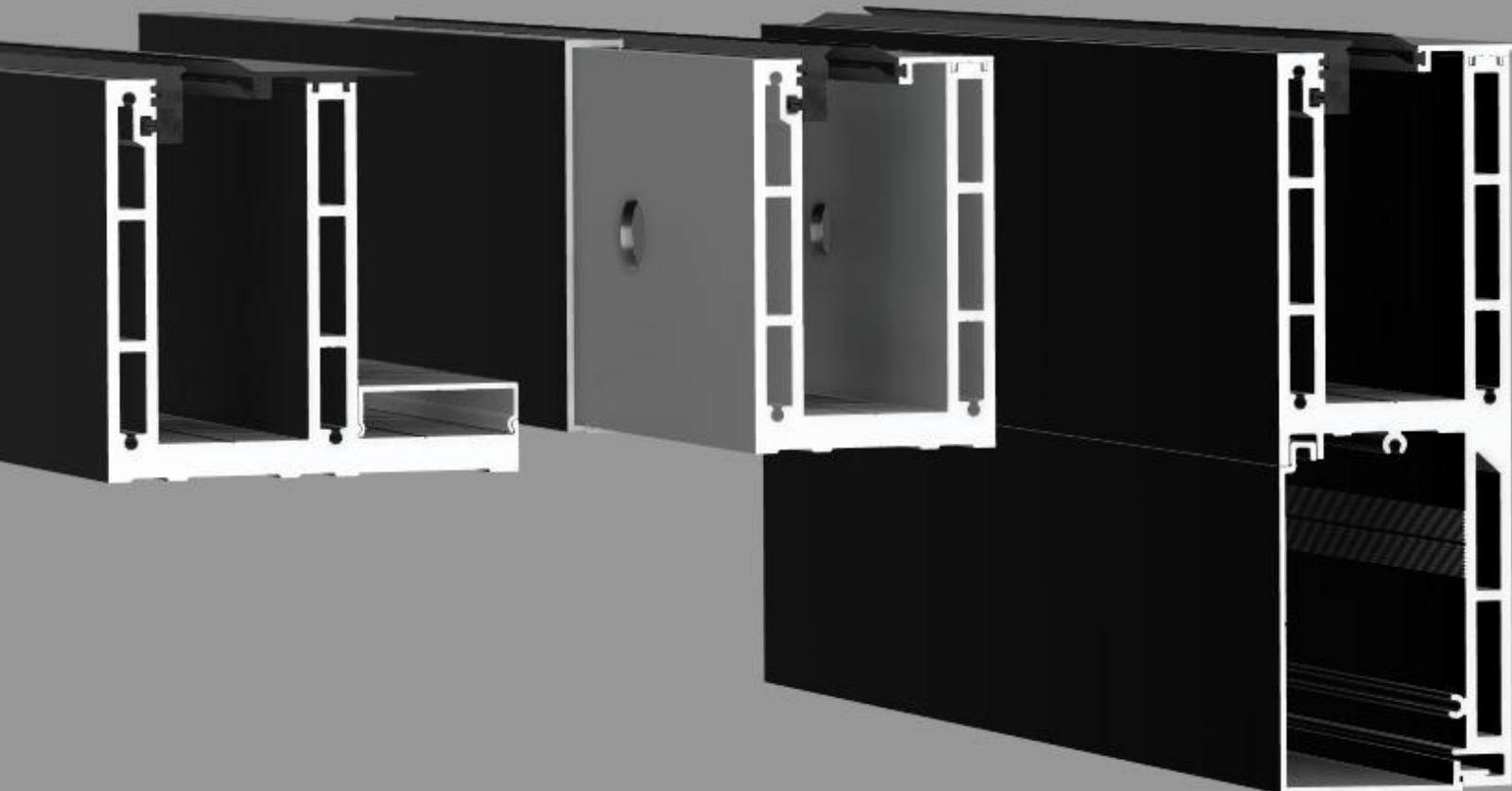
FGR-1300-T

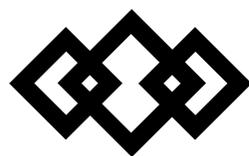


FGR-1302-F

FGR-1301-S

FGR-1303-Y





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