



Homogenous white colour without visible cells

The Technology

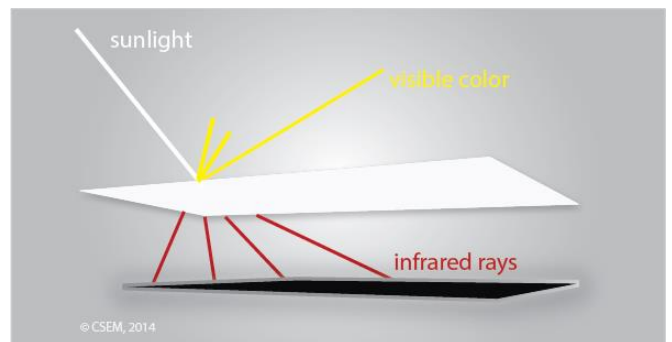
The technology is the result of collaboration between the Swiss firm SOLAXESS and ISSOL. It is based on a filtering interlayer, a printing technique and the use of photovoltaic solar cells.

The light passes through various layers that separate the spectrum. A part of the visible spectrum is reflected and gives the white colour.

The part of the invisible spectrum composed in particular of infrared radiation is absorbed by the solar cells to generate electricity. This filter ensures optimum visual rendering while maintaining high electrical efficiency.

The Product

Our product is a **fully tempered laminated safety glass**. It is equipped with photovoltaic high-efficiency mono crystalline cells (Si - PERC). It is a construction product that strictly follows photovoltaic and local construction norms. It is manufactured and designed according to the specific geometry and requirements of the building. Its dimensions and shape are tailored just like with a normal safety glass



Dimensions & Thickness

Glass Thickness (mm)		Total Thickness (mm)	Glass Type	Glass Size (mm)		Weight kg/m ²	Power Wp/m ^{2*}
Front	Back			Min	Max		
3,2	3	7	Textured Pattern/Float	400 x 400	4400 x 2050	18	90
4	4	9	Textured Pattern/Float	400 x 400	4400 x 2050	22,5	90
5	5	11	Low Iron/Float	400 x 400	4400 x 2050	27,5	90
6	6	13	Low Iron/Float	400 x 400	4400 x 2050	32,5	90
8	8	17	Low Iron/Float	400 x 400	4400 x 2050	42,5	90

* For an optimized surface of glass considering the cells size (156 mm)

