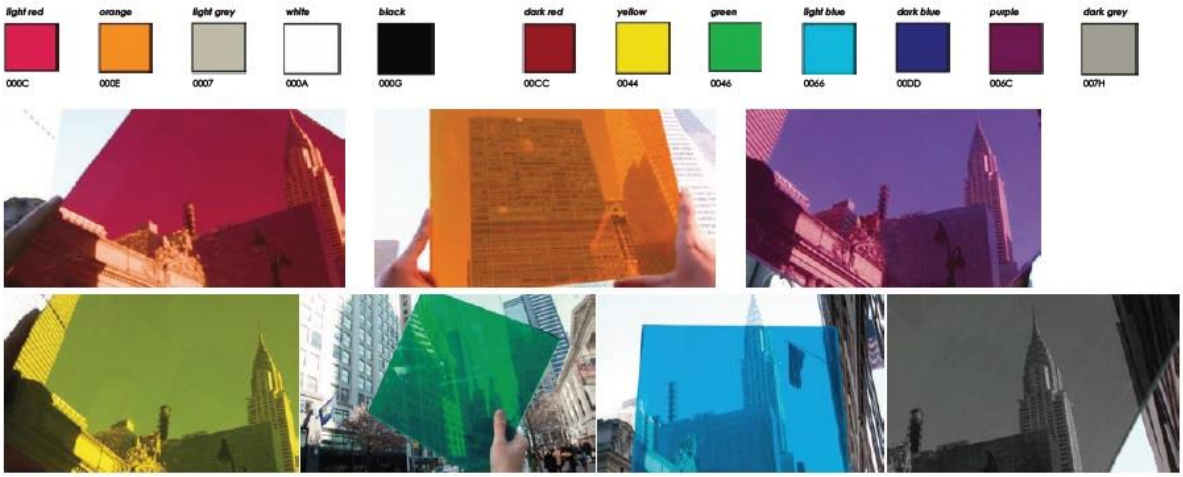
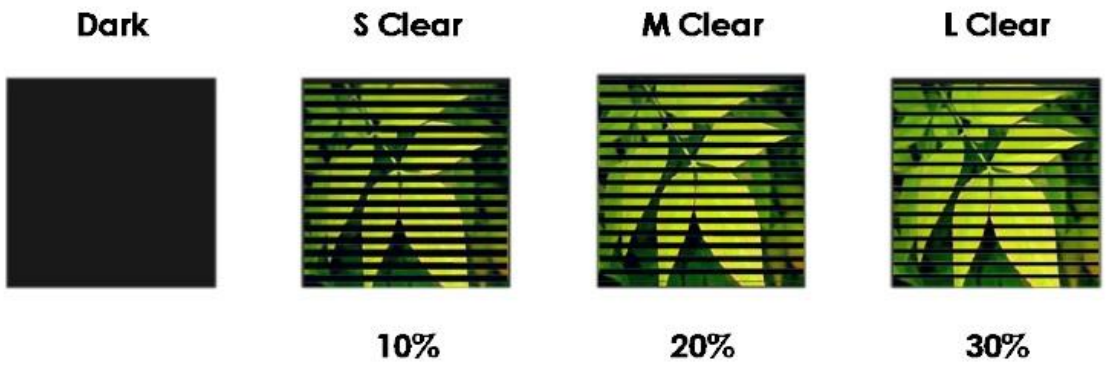
Photovoltaic ventilated facade

The photovoltaic ventilated façade system provides a new source of free and clean electricity with excellent insulation properties and meet demanding aesthetic requirements. It is a solution for both new buildings and renovation projects.
For ventilated facades, the use of **amorphous silicon and crystalline PU photovoltaic glass (PV glass)** is recommended due to the production of more power in cloudy weather and high temperature.
The physical characteristic of PV glass sheets, such as their shape, color, size, thickness, and degree of transparency, can be adapted to meet the requirements of a wide range of projects.

1) COLOR



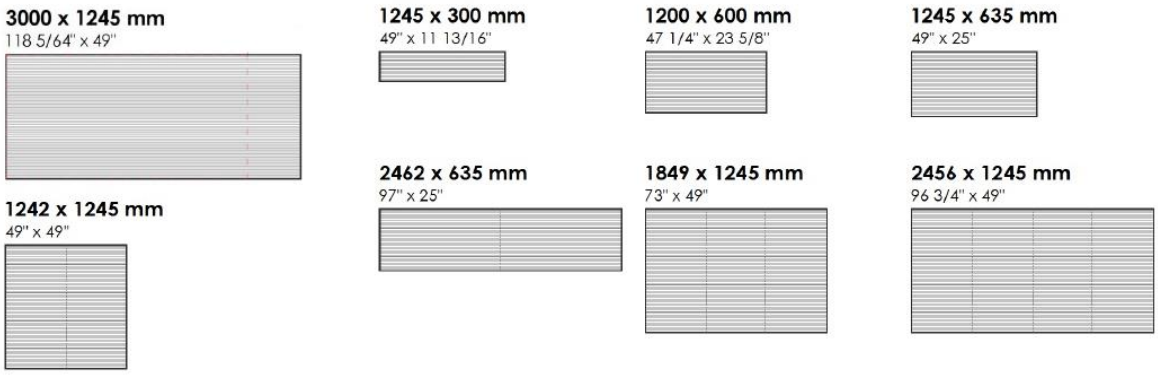
2) DEGREE OF TRANSPARENCY



3) FORMATS

Amorphous silicon photovoltaic glass can be customized according to everyone´s needs project. The offer includes a wide range of formats including the largest sizes photovoltaic glass available on the market - 4000 x 2000mm.

STANDARD SIZES



4) NOMINAL PEAK POWER OF PV GLASS

Nominal peak power depends on the degree of transparency:

DARK (0 %)	58 Wp/m²
LOW TRANSPARENCY (10 %)	40 Wp/m²
MEDIUM TRANSPARENCY (20 %)	34 Wp/m²
HIGH TRANSPARENCY (30 %)	28 Wp/m²

5) CONDUCTORS AND CONNECTING CELLS

Connecting cells and wires are necessary to receive the produced energy. It can be hidden in a special fixation system or may be visible. Standard connecting cells are bipolar, placed on the back side of the glass. The offer also includes monopolar cells, located on the back side of the glass. In some cases, depending on the configuration of the glass, it is possible to offer marginal branching cells.

6) FIRE REACTION

According to CSN 73 0810/ 2016: **B**