



SOLARSTYL® A CONTRIBUTION TO SUSTAINABLE DEVELOPMENT

The SolarStyl® system was developed as part of a project run by a subsidiary of the Aperam group, with the aim of creating a photovoltaic module installation system that guarantees the safety of people and property.

At the conference held in Beijing, the *International Stainless Steel Forum* awarded the first prize for sustainable development to Aperam for its SolarStyl® process that promotes the use of photovoltaics and contributes to sustainable development.

"The ISSF has praised the Aperam SolarStyl® system as promoting the use of photovoltaic energy and contributing to the development of renewable energies, reducing the cost of photovoltaic systems and increasing their performance."

A NEW INSTALLATION SYSTEM FOR FACADE AND ROOF

Developed for the integration of photovoltaic modules on the roof or facade of buildings, the SolarStyl system can be used for the installation of stone claddings, canopies, individual heating systems, roof windows and green facades both in inside and outside.

Made by folding thin sheets of stainless steel, SolarStyl® is simple to install, lightweight and robust, able to withstand high climatic loads in pressure and depression.

A simple and robust flatness correction system allows the system to be installed on large roofs and remains watertight on slopes of 7 ° to 90 °.

Installed in double skin or in integration, in facade or roof of the buildings, the products developed under the SolarStyl® label contribute to the energy performance, by improving the thermal of the building, stake of the regulations RT 2012 and RT 2020.

SolarStyl® is an innovative and patented BIPV* system, whose structure is made of rails, frames and integrated connectors, suitable for any type of photovoltaic modules for a simple, reliable and secure integration on all types of roofs and facades.

**BIPV = Building Integrated PhotoVoltaic*



PERFORMANCE, ECONOMIC AND AESTHETICS

Combining exceptional mechanical performance, simple installation of photovoltaic modules and the security of installed systems, SolarStyl offers an excellent quality / price ratio.

Whatever the type of building, SolarStyl improves the aesthetics.

The structure is particularly well suited for the renovation of roofs in classified sites.

The different types of modules can be associated on the same surface while keeping the continuity in connectivity and aesthetics.

The product consists of a set of rails and sleepers, lightweight and rigid, easy to install.

Particular attention has been paid to the security of property and people. SolarStyl® is a plug & play system, it is equipped with an automatic equipotential connection.



- Metallic mass and modules photovoltaic: 13kg / m²;
- Peak power of the modules: 150 to 200 W / m²;
- Mechanical resistance, test from ruin to depression: 470 kg / m² (4600 Pa), air flow > 250 km / h, no deformation plastic system;
- able to support 600 kg / m² in pressure or depression;
- Tightness tested for a pressure 2400 Pa, an air flow 225 km / h, a flow of water 3 L / min / m², and no leaks found on the underside;
- Tests carried out by the CEBTP.

ANTHOS
Air Power

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50, rue Ettore Bugatti
76800 St-Étienne-du-Rouvray
+33 2 35 65 78 65



www.anthosairpower.com