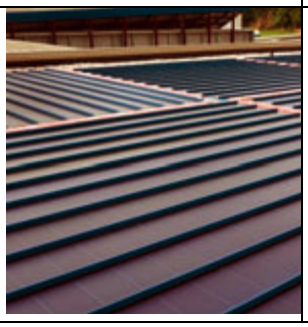
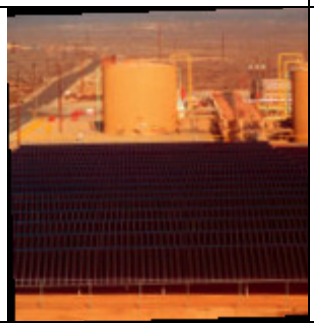
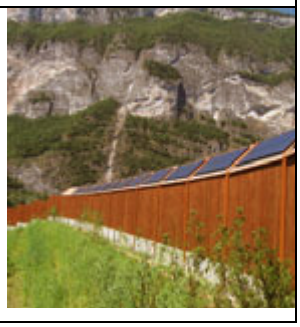
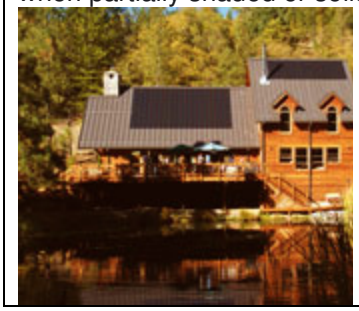
IP Glass Technology B.V.

Flexible PV-laminates

Take Your Chance – Product advantages for your benefit

Flexible	Light weight	No-glass	Durable
Flexible PV-laminates offer freedom of design to architects as they can even conform to curved surfaces and hence are meeting the increasing demand for aesthetically pleasing building integrated PV (BIPV).	Lightweight PV-laminates are particularly suited for retrofitting of existing buildings or applications, where additional weight and/or wind load are critical to the statics of a building or structure.	No Glass PV-laminates in ground-mounted PV installations reduce sub-construction requirements and total system costs substantially	Durable PV-products encapsulated in UV stabilized, weather resistant Polymers have proven themselves over decades under the most extreme conditions imaginable, including satellites, ocean buoys and military applications.
			

Shadow Tolerant	High Temp Performance	More kWh –higher RoI
Shadow tolerant PV-products offer higher outdoor performance in low and diffuse light conditions due to higher absorption of light in the blue wavelength range. These products deliver power even when partially shaded or soiled 	PV-products render better energy yield at high module temperatures and in warm climates. Under real outdoor conditions, module temperature can be up to 80° C, especially if they are building integrated and directly in the sun. At these temperatures these PV-products can yield up to 20 % more electricity compared to conventional crystalline solar modules of the same power rating.	PV-products achieve higher kWh energy output per Wp installed than most conventional crystalline products. Make the most out of your photovoltaic investment!

The right solution for every application

PV Products are offered in the form of flexible laminates for building integrated PV solutions. Flexible PV-laminates can be bonded to conventional metal roofing panels, single-ply membranes, modified bitumen roofing materials and others. The resulting modules are exceptionally durable. By-pass diodes are connected across each cell, allowing the modules to produce power even when partially shaded or soiled.
These PV Products come with a 20 year/80 % warranty on power output of the Rated Power (at Standard Test Conditions).

Innovative Technology – Good for you and the environment

Thin film solar cells are made in a roll-to-roll vacuum deposition process on a continuous roll of stainless steel, exceptionally suitable for high volume production. Because thin film cells can be up to 300 times thinner than crystalline solar cells, less material is required. The vacuum deposition process uses lower process temperatures leading to lower energy consumption during production. Therefore, compared to conventional crystalline PV-products thin film solar cells offer a better energy balance, providing a higher contribution to the protection of the environment.