

# RECKLI Solar-Concrete

The organic solar concrete façade



In cooperation with Heliatek, RECKLI is working on a real 'Green Building Solution' – organic photovoltaic film which can be integrated into the surface of concrete. Prospectively architects and planners are going to choose their individual structure out of a great selection of designs.

The organic photovoltaic film called **HeliaFilm**<sup>®</sup> consist of many unique characteristics which allows a façade design following highest demands for your fair faced concrete.

Only through the co-operation between RECKLI, the leading manufacturer of elastic formliners used for the design of fair faced concrete and Heliatek, the market leader in the manufacture of organic photovoltaic film, the development of the solar-concrete have become possible.

We would gladly discuss with you possible pilot projects as well as the market launch.

## SIMPLE APPLICATION OF THE ORGANIC SOLAR FOILS

- Ultra-light, only 500 g/m<sup>2</sup>
- Ultra-thin, 1 mm
- Sturdy
- Flexible up to a radius of 10 cm

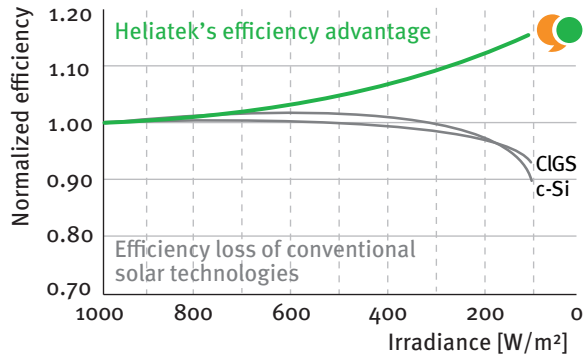
## HIGHEST REQUIREMENTS FOR DESIGN AND AESTHETICS

- Customized dimensions, different lengths are possible
- Diverse colors available, grey, blue and green



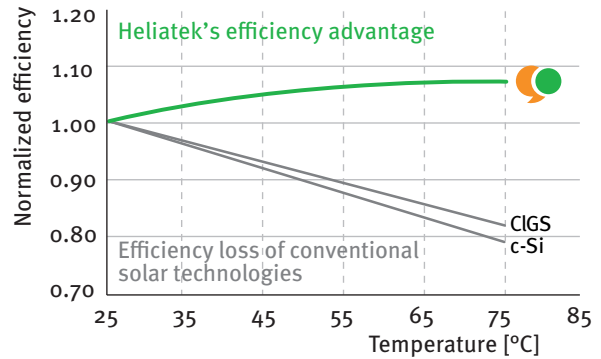
## EXCEEDINGLY PROFITABLE

- Outstanding in dim lighting



Ideal for northern regions, surfaces of concrete and application in areas with low incident of light.

- Heat-resistant



Ideal for hot, southern regions or for application in areas with low levels of rear ventilation.

## CLEAN SOLAR-POWER – CONSISTENTLY ECO-FRIENDLY

- Very short energy pay-back time (less than 6 months)
- Only 1 gram of organic material used per m<sup>2</sup>
- Low power requirements during the production
- Nontoxic production process
- Purely organic cells thus not containing any heavy metals
- Safe to dispose



Test installation in Shanghai/China



**ABOUT RECKLI:**

RECKLI was founded in 1968 and has grown to become the leading supplier of elastic formliners, formworks and elastomers in the construction sub-supplier industry. It was acquired by InnoTec TSS AG in 1988. Their formliners can be used in prefabricated plants and in-situ for the attractive design of surfaces and the molding of exposed concrete. RECKLI is present in over 60 countries through selected distribution partnerships and employs approximately 100 employees in its two branches in Paris and Herne. To learn more visit [www.reckli.com](http://www.reckli.com).

**ABOUT HELIATEK:**

Heliatek was founded in 2006 by the TU Dresden and the University of Ulm where it has established operations and employs a total of 75 specialists in both branches. Heliatek is the technological leader in the field of OEE (Organic Electronics Energy) and holds the world record in cell-efficiency with 12 %. As front runner in the area of material development and its success in mass-production, Heliatek is the first company to commercialize large OPV solar foils. The business model includes supplying customized HeliaFilm® to business partners in the automobile- and construction-industry. Its investors include renowned industrial and financial companies such as BASF, Bosch; Innogy Venture Capital, Wellington Partners, eCapital and AQTON SE. Its efforts in Research & Development and the development of production technologies are subsidized by the state of Saxony, the German federation and the European Union. Heliatek is currently producing in its first roll-to-roll manufacturing plant in Dresden.



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