

PV modules

The company Fill Factory s.r.o. cooperates in the production of solar panels and their testing with Solartec s.r.o. We are letting go of the ingrained standards and launching an original accessory for modern architecture building concepts. Modules manufactured by us provide architects freedom in choosing shapes, colours and surfaces, they influence the light conditions of building interiors and offer the possibility to provide excellent thermal insulation properties for the entire building.

Production PV modules

- Laminator ICOLAM 38/24
maximum module size 2000 x 4000 mm
module thickness up to 40 mm
- Manual interconnection with conductive adhesives
tabbing/stringing, shingling, mounting on PCB
- Various module structures with selectable appearance
- PV modules – basic types of lamination

back-sheet foils,

glass/glass,

semitransparent insulated glazing,

resin application,

non transparent black side plates (PCB, Eternit, composites, etc.)



Testing PV modules

- Module parameters measurement by flash tester
I-V measurement, h.a.l.m. elektronik, class A/A/A
- PV laboratory accredited according to ISO/IEC 17025:2005
- Advanced PV module testing
Insulation test, Electroluminescence, IR camera,
PID (Potential Induced Degradation)
- PV module testing in the climatic chamber
size of the interior space 1829 x 1829 x 2388 mm
temperature range 70 – 150°C
relative humidity 10 – 90%
testing: thermal cycling, humidity freeze and damp heat

