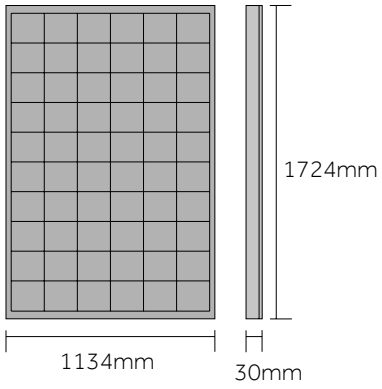
PV InDaX Adapt

Based on proven crystalline technology, the PV InDaX Adapt in-roof photovoltaic system offers high output performance in an attractive and weathertight roof covering.

The panel sits in line with the surrounding tiles, creating an improved aesthetic and weathertight system.



FEATURES AND BENEFITS

- Low overall system height with modules mounted in attractive black coated aluminium framing
- Safe, flexible and quick assembly
- Wide pitch range capability
- Maximum energy yield
- Weathertight and resistant to high wind uplift
- Fully MCS and BBA certified
- 25-year power output guarantee

PRODUCT DATA

Power Output	**415Wp**
Solar Cells per Module	**108**
Cell Type	**Monocrystalline**
Front Panel	**AR Coated Heat Strengthened Glass**
Backside Panel	**Laminated Thermoplastic**
Framing	**Black Polypropylene**
Module Dimensions	**1724 x 1134mm**
Thickness	**30mm** (approx)
Weight	**21.5kg** (approx)

COMPATIBILITY

Compatible with all BMI Redland tiles and slates and similar profiles.

BMI Redland

PERFORMANCE

- The PV InDaX Adapt System can be installed on roofs with pitches between 12° and 50° subject to tile specification.
- Modules are laid in arrays and mounted in specially designed framing that optimises the ventilation at the rear of each module and thereby maximises the power output.
- PV InDaX Adapt modules fulfil the same protective functions as roof tiles, i.e. weathertightness and resistance to wind uplift. High quality flashings from the roof window industry are used.
- The PV InDaX Adapt System is certified to MCS 005 and MCS 012 covering wind uplift resistance, weathertightness and external fire resistance.
- BMI UK & Ireland guarantees that during the first year of operation the module power output will be at least 96.5% of the rated power output: from years 2-25, the manufacturer guarantees that the module power output will reduce by no more than 0.6% per year of the rated power output, such that by the end of the 25th year of operation, the modules will still provide a minimum power output of 80% compared to the rated power output.

COMPONENTS

- A framing panel is used to support and secure the PV module on the roof. Top, bottom, left and right flashings are used to ensure that the PV array remains fully watertight.

CERTIFICATIONS

- TÜV approved
- MCS 005 and MCS 012 approved
- Climate and aging tests approved
- 10 year warranty
- 25-year power output guarantee

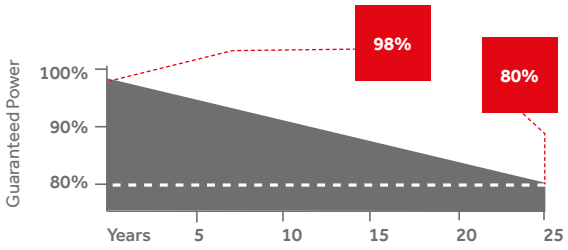
TECHNICAL INFORMATION

Data at standard test conditions (STC)	
Nominal power [Wp] Pmpp	415
Voltage at nominal power [V] Umpp	31.61
Current at nominal power [A] Impp	13.13
Open circuit voltage [V] Voc	37.45
Short-circuit current [A] Isc	14.02
Module efficiency (%) E	21.23
Data at normal operating temperature (NOCT)	
Nominal power [Wp] Pmpp	313.85
Voltage at nominal power [V] Umpp	29.89
Open circuit voltage [V] Voc	35.37
Short-circuit current [A] Isc	11.22
Temperature [degree C] TNOCT	45 (+-2)
Temperature coefficients	
Power [%/K] Pmax	-0.35
Open-circuit voltage [%/K] Voc	-0.275
Short-circuit [%/K] Isc	0.045

PERFORMANCE

10 year product warranty

25-year power output guarantee



From the 2nd year to the 25th year, the average annual power decline will be no more than 0.6%

BMI Redland

BMI GROUP UK LTD
BMI House, 2 Pitfield, Kiln Farm
Milton Keynes, MK11 3LW
0330 123 4585
www.bmigroup.com/uk