

Manufacturer's Declaration of Product Performance

1. PRODUCT

Solar Full Roof™ BIPV module & Clamps with FuturaSun FU 4xx M Silk® Nova Duetto
PV panel - 2.0+2.0mm heat strengthened glass/glass (DIN EN 1863-1/-2) and co-extruded encapsulate EVA/POE/EVA film layers, film thickness $0.50 \pm 0.10\text{mm}$

2. INTENDED USE

Part of Building Integrated Photovoltaic (BIPV) roofing system forming part of the building envelope, providing:

- Weather protection (rain, snow, wind, hail)
- Mechanical resistance
- Fire protection
- Electricity generation

When used in combination with a watertight, solar-ready underlayment in accordance with EN 13859-1:2014, the BIPV modules are not exposed overhead.

3. MANUFACTURER

SOLARSTONE OÜ
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4. SYSTEM OR SYSTEMS AVCP

System 3
(For reaction to fire and external fire performance according to CPR)
System 4
(For other declared characteristics)

5. STANDARDS

EN 61730 - Safety Qualification
EN 61215 - Design Qualification
EN 13501-5 - External fire exposure to roofs
prEN 50583-1:2026 - Part 1: BIPV modules
prEN 50583-2:2016 - Part 2: BIPV systems

6. NOTIFIED BODY(IES)

Notified testing laboratory No. 2456 (TÜV Rheinland Solar GmbH) performed determination of product type under System 3 and issued classification report DE25ETZC 001.

Notified Body No. 0402 (RISE Research Institutes of Sweden AB) performed the determination of product type under System 3 and issued classification report No. O100741-1314877-1.

7. DECLARED PERFORMANCE

Essential Characteristics	Performance	According to Standard
Dimensions Total Area Exposed Area Weight	~1,850 × 1,300 mm +/-20mm ~2.4 m ² ~2.0 m ² ~28 kg; ~13 kg / m ²	
Peak Power	430 Wp 215 Wp / m ²	IEC/EN 61215
Mechanical resistance	Wind uplift 2400 Pa Snow load 5400 Pa	IEC/EN 61215-2
Hail resistance	Class 3 Ø 25 mm at 23 m/s	
Reaction to fire	Non-flammable glass/glass aluminum framed PV panel, tested: Broof (t1) Broof (t2)	IEC/EN 13501-5
Electrical safety	Class II	IEC/EN 61730

8. TECHNICAL DOCUMENTATION:

Available on solarstone.com/toolbox

Signed for and on behalf of the manufacturer by:

ROMET ROOSALU

Chief Executive Officer
Solarstone OÜ, Viljandi



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