



**S4[®] Universal
Mounting
System**

Photovoltaic Solutions for Every Roof

**Fast. Universal. Reliable.
Engineered for the next generation.**



Redefining Mounting Standards

S4 is a new generation of photovoltaic mounting systems, designed for complete or partial roof integration.

Our mission

Make solar installation faster, more reliable, and universally compatible with all panel types.

From single clamps to compact EPDM seals, every detail is engineered for performance, durability, and ease of use.



MCS 012 Certified & BBA Agrément Approved (NHBC Standards)

The 10 Key Strengths

1. FULL HEIGHT UNIVERSALITY

Adapts to all panel heights from legacy models to future generations thanks to modular vertical extensions.

2. FULL WIDTH UNIVERSALITY

Universal horizontal extensions fit every panel width with no format limitation.

3. GUARANTEED COMPATIBILITY FOR DECADES

Future-proof design ensures long-term continuity even as panel standards evolve.

4. SIMPLIFIED PANEL REPLACEMENT

If panel sizes change, only the modules are replaced while the S4 RooFit base stays intact.

5. PORTRAIT OR LANDSCAPE ORIENTATION

Both orientations possible without extra parts or added cost, offering total on-site freedom.

6. INTEGRATED WATERPROOFING AND FINISHING

No need for top flashings as full waterproofing is built directly into the system.

7. ONLY FIVE COMPONENTS IN TOTAL

Ultra-simplified design reduces costs, errors, and logistics complexity.

8. MIXED ORIENTATIONS ON THE SAME ROOF

Combine portrait and landscape panels to optimize every surface.

9. NO BATTENS IN PORTRAIT MODE

Direct fixing streamlines preparation and accelerates installation.

10. REDUCED BATTENS IN LANDSCAPE MODE

Only one horizontal batten is needed between rows for secure and efficient fixing.

One Plate. Infinite Possibilities.

Patented Universality, Engineered for Performance

With S4 Mounting System's patented universal base plate, you streamline the entire photovoltaic mounting process.

Designed to fit all panel sizes both portrait and landscape, it eliminates the complexity of managing multiple part references.

A single component, compatible with all configurations, means reduced inventory, optimized logistics, and faster installations.

This patented system is the result of **rigorous engineering**, built to deliver long-term performance, reliability, and simplicity.

Beyond eliminating layout errors and compatibility issues, it enables significant savings at every stage of the project.

Fewer components, shorter installation times, and simplified stock management.

- **Fewer components.**
- **Fewer errors.**
- **Better performance.**



With S4's lateral extension rails, you're free to design your layout without constraints.
Adapt to any width no redesign needed. It's freedom made simple.



VERTICAL
EXTENSION
SYSTEM

Adapts with
no limits

HORIZONTAL EXTENSION SYSTEM

FULL COMPATIBILITY WITH ALL PANEL WIDTHS

S4 Mounting System: the smart, certified, and patented solution for solar without compromise.

Durability exceeding 25 years
10 Year Warranty

Only 6 Accessories Needed

S4 Mounting System simplifies and accelerates photovoltaic installation like never before.

Thanks to a smart architecture made up of just 5 industrial-grade technical components, every project becomes a model of speed, cleanliness, and efficiency.

- Fewer parts, fewer errors, less time spent on the roof.
- Streamlined logistics, reduced stock, optimized turnover.
- Consistent performance, well-managed projects, satisfied customers.

Installers, distributors, partners everyone benefits.

S4 Mounting System delivers uncompromising efficiency, built to last.



STAINLESS STEEL SCREW
FOR CLAMPS
6.5 X 60MM + EPDM WASHER



SINGLE CLAMP



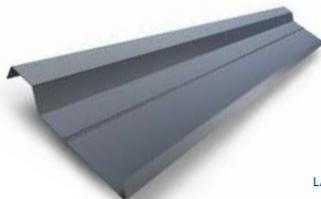
DOUBLE CLAMP



HEXAGONAL HEAD SCREW
6.5 x 25 MM FOR FIXING THE PLATE.



FLASHING HOOKS



LATERAL FLASHING

Compact EPDM Seals

Proven Durability - Long-Lasting Tightness - Zero Maintenance

Durability Starts at the Core

The reliability of the S4 system starts with the right materials.

Our seals are made of compact EPDM rubber (70 Shore A) a high-performance technical material specifically designed to:

- Maintain optimal compression under direct clamping pressure
- Avoid deformation, even after years of use

Key Technical Features

- Hardness: 70 Shore A
- Temperature range: -40 °C to +120 °C
- Expected lifespan: Over 20 years
- Highly resistant to UV, ozone, weathering, and chemical exposure
- No long-term collapse or crushing
- Ensure long-lasting watertightness, even in extreme conditions

Unlike cellular (foam-type) seals, which are not designed to withstand direct mechanical pressure, our compact seals retain their shape, provide consistent support, and remain fully effective for the entire system lifespan.

A technical choice that guarantees long-term reliability, performance, and peace of mind.



EPDM 70 Shore A

High Resilience, Long-Lasting Sealing



Single Clamp

Enhanced Resistance, Secure Fixation.

1. RIGOROUS SELECTION OF TECHNICAL POLYMERS

At S4 Mounting System, reliability begins with the selection of highly specified raw materials technical, recyclable, and tailored to the demands of solar applications.

Each material batch is pre-approved before production through a certified Quality Control (COA), including the following tests, based on ISO and ASTM standards:

Property	Test Standard	Target Specification
• Density	ISO 1183 / ASTM D792	1.10 – 1.15 g/cm ³
• Melt Flow Index (MFI)	ISO 1133 (230 °C / 2.16 kg)	4.0 – 6.0 g/10 min
• Ash content	ISO 3451	12 – 15%
• Tensile strength	ISO 527 / ASTM D638	≥ 18 MPa
• Tensile modulus	ISO 527	≥ 1300 MPa
• Residual humidity	ISO 15512 / Karl Fischer	≤ 0.10%
• Colour (if applicable)	ISO 11664 / ΔE measurement	ΔE ≤ [value to define]

These thresholds ensure consistent mechanical performance, dimensional stability, and resistance to outdoor conditions.

2. ENHANCED TESTING AT EVERY STAGE

- **Pre-production:** Each batch is sampled and analysed by internal or external labs.
- **In-process:** Monitoring of critical parameters (temperature, pressure, cycles, etc.).
- **Post-production:** 1 part is tested every 2,000 units to confirm compliance.

3. FULL TRACEABILITY & ARCHIVING

Each production run is linked to a certified material batch, with documentation including:

- The material COA
- Internal test results
- A printed batch code on each product
- Full production history archive

S4 Mounting System Committed to uncompromising quality.



S4 Mounting System Platform

A platform built for compliance, accuracy, and reliability

The S4 Configurator has been developed as a central component of the S4 ecosystem, supporting the design, validation, and deployment of photovoltaic systems in full compliance with applicable technical and regulatory frameworks.

More than just a configuration tool, it is a decision-support platform designed to secure projects from the very first stages of planning.



Built to recognized standards and regulations

The S4 Configurator is developed in accordance with:

- European Eurocodes and national annexes,
- Relevant British Standards (BS),
- MCS 012 requirements,
- NHBC expectations for new-build housing.

All calculations and configurations are structured to reflect real construction constraints and regulatory requirements applicable to the UK market.

Extensive module database

The configurator integrates a continuously updated library of over 2,000 photovoltaic module references, including:

- Exact physical dimensions and tolerances,
- Frame geometries,
- Fixing interface characteristics,
- Manufacturer-specific constraints.



S4 Mounting System Platform

Designed for real-world installation conditions

The system enables configuration for:

The configurator integrates a continuously updated library of over 2,000 photovoltaic module references, including:

- Portrait and landscape layouts,
- Variable roof geometries and pitches,
- Different fixing strategies and overlap zones,
- Compatibility with roof coverings and drainage principles.



A professional tool supporting compliance and risk control

The S4 configurator supports compliance with applicable standards and good engineering practice, helping professionals to:

- Reduce design errors,
- Standardise installation approaches,
- Improve traceability and technical consistency across projects.



Important notice engineering validation

While the S4 Configurator provides a robust technical framework and pre-validation of system compatibility, all final designs, load assessments and structural validations must be reviewed and approved by a qualified structural engineer or competent professional, in accordance with local regulations and project-specific requirements.

This ensures full compliance, safety, and accountability for each individual installation.



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