

Eurocell PLC

STROMA
BUILDING CONTROL
A PHENNA GROUP COMPANY

Certificate Number Stroma 14009

This is to certify that the

"Equinox Solid Roof" system

provided by

Eurocell Ltd

Meets the technical requirements of the elements of the Building Regulations 2010 (as amended) specified in the attached schedule

Date of Issue	Date of expiration
19th January 2026	**19th January 2027**

Signed on behalf of Stroma Building Control Ltd

Ian O'Connor
Managing Director

System Approval Schedules

Certificate Number Stroma 14009

For

Eurocell PLC

Fairbrook House,

Clover Nook road,

Alfreton,

Derbyshire DE55 4RF

System Approval Schedules

Contents

1 Summary

2 Product Description

3 Approval Statement

4 Conditions of Use

1. Summary

1.1 "Equinox Solid Roof" by Eurocell PLC is a replacement roof solution for existing conservatories. The system is based around the removal of the existing conservatory roof and replacement with a structural aluminium roof frame with insulated plasterboard ceiling finish, between rafter insulation board and weatherproof tiled covering with breather membrane underlay.

1.2 The purpose of this assessment is to determine that the system meets the standards defined within certain relevant functional requirements of the Building Regulations 2010 (as amended) and as detailed in the table below. Note that this assessment is in respect of the roof system only and does not consider whether the overall conservatory extension is exempt from, or compliant with, the provisions of the regulations.

1.3 Building Regulations 2010 Technical Requirements

Requirement A1 Comment	**Loading** The system meets the requirement to safely sustain the relevant loads applied to it. The installer must satisfy themselves as to the adequacy of the existing conservatory structure as applicable.
Requirement B4(2) Comment	**External fire spread (Roof only)** The system meets the requirement to restrict the spread of fire externally across its surface.
Requirement C2 Comment	**Resistance to moisture** The system meets the requirement to resist surface and interstitial condensation. Details of roof covering will be required for each application. A suitable gradient will be required to facilitate the discharge of rainwater.
Requirement L1 Comment	**Conservation of fuel and power** The system meets the requirement to limit heat loss through the roof construction.

1.4 In support of the above and this process Eurocell Ltd have provided the following documents for assessment and review

- Engineered roof structural calculations.
- Melin U value calculation February 2020 – 0.15 England.
- Melin U value calculation November 2022 – 0.12 Wales.
- BRE Wufi condensation risk analysis calculations - 2020.
- Tapco, Envirotile and Metro tile options.
- BRE fire test report for Slateskin tile.
- Roof tile installation guides.
- Installation Guide Issue 6 July 2020.
- Equinox changes summary document

1.5 In addition, a review of the manufacturing process, and an on-site review of the installation process has been carried out by Stroma Building Control Ltd.

2 Product Description

2.1 "Equinox Solid Roof" is a roof solution designed to replace an existing translucent conservatory roof off an existing domestic conservatory structure.

2.2 Each project is individually designed by Equinox Ltd.

2.3 The system comprises of the following main components:

- "aggregate coated steel tile" or "plastic and limestone synthetic slate" weatherproofing system.
- Aluminium rafter, hip and ridge structural system with timber/OSB sheathing and insulation inserts.
- Insulation and plasterboard ceiling finish.

2.4 The system has been designed to be used in conjunction with the existing conservatory wall structure support where this is deemed suitable following the installer's survey of the existing conservatory structure.

2.5 The system may be designed to incorporate roof lights subject to specific roof light manufacturer's details being provided and approved.

3 Approval Statement

3.1 Upon review of the details submitted and having regard to the attainment of referenced technical standards the **Eurocell PLC "Equinox Solid Roof" conservatory roof replacement system is hereby approved for compliance** with the referenced functional requirements as cited in Schedule 1 of the Building Regulations 2010 for residential use (purpose groups 1 (a), (b), (c) in Table D1 of Approved Document B: 2006) erected as a single storey extension constructed at ground level.

3.2 When submitted in conjunction with a building regulation application to Stroma Building Control Ltd for approval this certification is approved for use by:

Eurocell Ltd

and any installers associated with and approved by Equinox Ltd for the use of this product.

3.3 The technical standards referred to for the purpose of this assessment are as detailed in section 1.3 above.

3.4 **IDENTIFICATION AND USE OF THE STROMA BUILDING CONTROL LOGOS**
Correct identification of approved Building Systems is desirable in order that purchasers and funding providers understand the status of products presented to them.

Recipients may make use of the **Stroma Building Control System Approval Logo** on marketing and technical documentation subject to approval by Stroma Building Control Ltd.

4 Conditions of Use

4.1 The **Eurocell PLC "Equinox Solid Roof"** system as assessed by this process is suitable for use in single or multi-occupancy dwelling houses.

4.2 Structural assessments of the existing conservatory structure including foundations, floor slab, wall, UPVC/Timber framing, and the relevant parts of the structure of the main dwelling shall be site and project specific and undertaken by the installer's surveyor. These should demonstrate that all the requirements of the relevant Building Regulations and Eurocodes have been met including at least the following:

- The existing foundations, floor, wall and UPVC framing for the conservatory are all suitable for supporting the additional loads to be applied by the proposed roof system.
- The external fabric structure of the main dwelling is suitable for any additional fixings that may be required to support the "solid roof" system.

- Where any additional support is required to the existing structure for the new roof system this must be clearly communicated to Stroma Building Control Ltd at the earliest opportunity.

4.3 These aspects shall be assessed for each use on site and any questions raised in respect to compliance with the building regulations shall be assessed by a suitably competent structural engineer experienced with the roof system.

4.4 This system approval relates to the aforementioned roof system as described in the above referenced technical specifications. It is subject to the same exclusions contained therein and all other components and working practices are subject to the requirements of the Building Regulations, manufacturers installation guides and associated standards.

4.5 Under the provisions of Schedule 2 of the Building Regulations 2010 (as amended) a conservatory addition to an existing building would in certain circumstances be exempt from the normal limit of windows, roof windows and doors set at 25% of the floor area of an extension. These caveats include:

- That suitable thermal separation is provided between the conservatory and the main dwelling, and
- The main dwelling heating system must not be extended into the conservatory.
- Where either of these caveats are to be varied as part of the work to replace the roof this must be communicated to Stroma Building Control Ltd at the earliest opportunity and may require the client to provide an appropriate thermal analysis calculation to demonstrate compliance. Where required a quote for this service can be obtained from the Stroma Energy+ team, contact details can be provided on request or obtained from www.stromabc.com.

4.6 No cutting or alteration of the structural members on site are permitted without obtaining prior written approval from the manufacturer.

4.7 The roof system is designed to be erected within a short period of time. Suitable provision should be made for the protection of the system components on site prior to the erection process commencing. Construction should be continuous and preferably scheduled during periods of sustained dry weather through to the provision of the permanent roof covering as soon as is reasonably possible.

4.8 Where an installer proposes to use this certificate as evidence of compliance each project will need to be appraised individually for compliance with the Building Regulations 2010 by Stroma Building Control, based upon the guidance contained in the current Approved Documents. **All installations must be notified to Stroma Building Control a minimum of 10 days before work commences on site with the following minimum information and the agreed fee:**

- Address of the property including postcode.
- Name of the client/ homeowner.
- Name of the installer.
- Approximate age of existing conservatory and frame type.

- Existing conservatory roof type, i.e. glass/polycarbonate etc.
- Proposed date of commencement and completion of work on site.
- Proposed additional structural alterations to the existing conservatory.
- Proposed additional structural alterations to the existing main dwelling.
- Proposed alterations to the standard roof covering.

4.9 Where an alternative roof covering is chosen by the client an assessment as to whether that cladding achieves a Class 0 (or European class B-s3, d2) surface spread of flame will be carried out on an individual basis. Stroma Building Control should be notified at the earliest possible stage of any change to the roof cladding specification.

4.10 The system approval is limited to single-storey buildings and as such the fire resistance test standards of Part B of the Building Regulations and BS 476: Parts 20, 21 and 22 (as appropriate) will not be applicable.

4.11 Where any alterations to the electrical system are to take place, these must be suitably certificated by a registered competent electrician as compliant with the requirements of Part P and BS 7671. A copy of this certification must be provided to Stroma Building Control Ltd prior to the issue of our final certification.

4.12 This system approval certificate is valid for a period of **one year** from the date of issue. This limitation is placed in order that the impact of new and changing relevant regulations can be assessed.

4.13 Note that this is a system approval of the aforementioned roof system only and additional site-specific information may be requested that is not encompassed by the detail contained in the approval.