



# Certificate No: EW277



This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

## Supalite Tiled Roof Systems Ltd – Supalite Roof

### Description of Product

The Supalite Roof is a proprietary solid roof system to replace an existing translucent roof of a domestic conservatory or porch. This roof system achieves a u-value of 0.18W/m<sup>2</sup>K when installed in compliance with the specification and thermal design.

This registration applies to the roof only.

This Registered Detail Certificate is designed to fast-track, not remove, the requirement to obtain Building Regulation Approval through LABC. This can only be demonstrated through a Completion Certificate issued following satisfactory inspections made as part of a valid Building Regulation application by Local Authority Building Control teams.



### Key Factors Assessed

- Mechanical Resistance & Stability
- Safety in case of Fire
- Health, Hygiene and Environmental
- Safety in Use
- Energy Economy and heat retention
- Durability serviceability and identification

### Validity

This certificate was first issued on 26<sup>th</sup> June 2014 and is valid until 26<sup>th</sup> June 2017.

Issue Dated 28<sup>th</sup> October 2016

## Scope of Registration

Approved Document A: The existing structure will need to be assessed to ensure its adequacy for taking any additional loads and may include exploratory investigation of the existing construction.

Approved Document L1B states that the amount of glazing allowed to an extension is 25% of the floor area. In order for this limitation not to apply, there should be:

1. Effective thermal separation must be maintained between the dwelling and former conservatory or porch.
2. Any existing independent temperature and on/off controls to any heating system installed within the former conservatory or porch may be maintained.

Refer to Technical Guidance Note MG0010411 Application of Part L to Conservatories attached to existing dwellings

[https://www.labc.co.uk/sites/default/files/labc\\_4893\\_techg\\_conservatories.pdf](https://www.labc.co.uk/sites/default/files/labc_4893_techg_conservatories.pdf) and LABC guidance on solid roofs to conservatories and porches attached to dwellings [https://www.labc.co.uk/sites/default/files/Solid-roof-conservatories-guide-labc\\_0.pdf](https://www.labc.co.uk/sites/default/files/Solid-roof-conservatories-guide-labc_0.pdf)

The roof specification designed to achieve 0.18 W/m<sup>2</sup>K comprises; Metrotile lightweight roofing on 25 x 50 treated timber battens on a breathable membrane on 12mm exterior grade plywood fixed to the top of rafter profile with screw fixings @ 150c/s. The aluminium rafter profile is designed according to span and pitch. Profile centres will not exceed 600mm with a 25 x 50 timber batten fixed to the bottom the profile. 100mm thick precut Ballytherm Polyisocyanurate is fitted tight between the aluminium profiles with a 500 gauge vapour barrier fixed to the counter battens beneath followed by 82.5mm thick Ballytherm Polyisocyanurate and 12.5mm plasterboard and skim finish.

## Conditions of Certificate

Installation is undertaken by a Supalite Tiled Roof Systems Ltd Installer.

Light fittings should not penetrate the vapour barrier

The Registered Detail relates to the reroofing of existing conservatory or porch roofs that satisfy the requirements of Schedule 2, Class 7 to the Building Regulations 2010 (as amended); i.e. It must be at ground level; it must not exceed 30 m<sup>2</sup> in floor area; the thermal separation between the building and the conservatory or porch must be maintained; and the building's heating system must not be extended into the conservatory or porch. If the thermal separation is removed then a separate Building Regulation Application needs to be submitted and the amount of glazing to the former conservatory or porch should be reduced to less than 25% of the floor area and the glazing should achieve a U-value 1.6W/m<sup>2</sup>K (alternatively heat loss calculations may be used).

LABC consider that, Supalite Roof System, will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met;



## The Building Regulations 2010 (as amended) England & Wales

Regulation 7	Materials and workmanship
Note:	The products are acceptable.
AD A	Structure
Note:	Subject to limitations detailed below in Conditions section.
AD B	Fire Safety
Note:	The products can contribute to meeting this Requirement.
AD C	Site preparation and resistance to contaminants and moisture
Note:	The products can contribute to meeting this Requirement.
AD L1B	Conservation of fuel and power
Note:	The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance of the roof structure.



## The Building Regulations 2010 (as amended) England

None presently.



## The Building Regulations 2010 (as amended) Wales

None presently.



## The Building (Scotland) Regulations 2004 (as amended)

If you would like to discuss a specific use of the product in Scotland it will require an additional assessment under the Scottish Building Regulations and accordingly you should contact the LABSS STAS Administrator at [www.labss.org](http://www.labss.org)

## Non-Regulatory Information



### LABC Warranty

The use of the Supalite Roof System has not been assessed to meet the requirements of the LABC Warranty Technical Manual. If you would like to discuss a specific use please make an enquiry to [technical.services@labcwarranty.co.uk](mailto:technical.services@labcwarranty.co.uk)

## Supporting Documentation

Supalite Roof System Drg No C11-165-8B

Celtic Vista Ltd & CSC TEDDS Engineering and Building Design (to Eurocodes)

Drg No C11-165-3

Layout drawings; General Specification; Sections and Structural Calculations - Dated 25/09/2013

MetSPEC Design Suite – Wind load assessment - Sheets 1-3 - Dated 22/02/2014

CSC TEDDS Engineering and Building Design – Ref: C11-165

Roof Snow Loading Calculations – Sheet 1 - Dated 17/03/2014

CSC TEDDS Engineering and Building Design – Ref: C11-165

Eaves Beam – UDL Calculations – Sheet 1-3 - Dated 22/02/2014

CSC TEDDS Engineering and Building Design – Ref: C11-165

Eaves Beam – Point Load Calculations – Sheet 1-3 - Dated 22/02/2014

CSC TEDDS Engineering and Building Design – Ref: C11-165

Eaves Beam – Gable with Point Load Calculations – Sheet 1-3 - Dated 22/02/2014

CSC TEDDS Engineering and Building Design – Ref: C11-165

Roof Rafters @ 450 Ctrs – Mono pitch roof Calculations – Sheet 1-4 - Dated 05/05/2014

CSC TEDDS Engineering and Building Design – Ref: C11-165

Roof Rafters @ 450 Ctrs – Pitch roof Calculations – Sheet 1-4 - Dated 05/05/2014

Engineering and Building Design Peter G Redding – Ref (document unreferenced)

Roof snow drift Calculations Sheet 1 – Dated (document not dated)

Ballytherm Ltd – Ref: (document unreferenced)

Thermal Analysis - Calculations – Sheet 1-5 - Dated 08/01/2014

BRE Client Report P104699-04 Wufi Analysis

## Contact Information

Supalite Tiled Roof Systems Ltd

Unit 4 Croft Street

Preston

Lancashire

PR1 8SU

Tel: 01772 82 80 60

Email: [info@supaliteroof.co.uk](mailto:info@supaliteroof.co.uk)

Web: [www.supaliteroof.co.uk](http://www.supaliteroof.co.uk)