Certificate No: EW465

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

Ultraframe (UK) Ltd – Real Roof Existing

Description of Product

This is an assessment of the 'Real Roof' manufactured by Ultraframe. The system transfers the roof loading onto independent foundations by way of steel posts and new foundations situated outside the existing conservatory footprint. The eaves beam is designed as a structural box beam made from OSB board. The roof is then supported by bolting the box beam to the existing structure. This registration applies to the roof only for use as a replacement roof for an existing conservatory.

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 24th April 2014 and is valid until 24th April 2016

Issue Dated 1st May 2015

LABC | 66 South Lambeth Rd | London | SW8 1RL
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Scope of Registration

The roof comprises fully insulated SIPS panels.
Various spans and configurations are available as illustrated in the System Overview and Design Guide – March 2014 V2
Design Guide – March 2014 V2
Fully checked by Structural engineers against all configurations and spans as set out in the System Overview and Design Guide. Over 1000 pages of calculations and details have been submitted including all connection details. 3D parametric studies have been carried out on the calculations for all design constraints. The comprehensive System Overview and Design Guide gives details of spans, roof configurations & locations allowing for exposure and wind speeds.
Live load tests have also been carried out on the structure by Ultraframe to determine deflection of the roof panels. The existing conservatory frame does not take any loading from the new roof. Rooflights may be installed in accordance with the Guide.
Refer to LABC Technical Guidance Note MG0010411 Application of Part L to Conservatories attached to existing dwellings
http://www.labc.uk.com/Media/Default/library/Technical%20Guides/MG0010411%20Application%20of%20Part%20L%20to%20Conservatories%20attached%20to%20existing%20dwellings.pdf
and LABC guidance on solid roofs to conservatories and porches attached to dwellings
http://www.labc.uk.com/Media/Default/Public%20Documents/labc_4258%20TechG%20Conservatories.pdf

The roof specification designed to achieve 0.18 W/m2K comprises;
Lightweight roofing tile fixed to 25 x 50 timber batten at centres to suit tile and pitch on BS 5250:2011 compliant Roof Shield breathable membrane on 190mm Unideck Aerodeck Structural Insulated Roof panel (BBA Cert 10/4797) restrained by ridge and eaves fittings. 25 x 50 timber batten fixed beneath at 600mm centres with a 12.5mm plasterboard and skim internal finish.

Conditions of Certificate

The product can be designed with window frames to all elevations, full masonry walls or brick piers. realROOF can be specified with its own structural support posts.
- If bi-folding doors are to be used they MUST be bottom supported NOT top hung.
- The standard soffit projects approx 150mm beyond external masonry - box eaves beam is approx 450mm front to back depth. Always check with the roof covering manufacturer on the minimum pitch for the selected tile/slate brand.
- System 'U' values - with the 190mm Unidek Aero panels is 0.16W/m2°C with the 240mm Unidek Aero panels it is 0.13W/m2°C (240mm is used in larger projection gable style lean-to's due to its additional spanning performance).
- The system can incorporate various styles of Velux roof windows. Cut outs for roof windows must be selected at point of ordering. Under no circumstances can this operation be done on site. Rooflights may be installed in accordance with the Guide limited to 25% of the roof area.
- The set out information in this guide is based around 300mm cavity walls.
The Registered Detail relates the roof only for use as a new roof on a Single Storey extension, within size limitations and specification as set out in system overview guide.

Regulations

LABC consider that, the Real Roof Existing, 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

Non-Regulatory Information

LABC Warranty

The use of the Real Roof Existing 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

Supporting Documentation

Various spans and configurations as designed and illustrated in the Ultraframe System Overview and Design Guide – March 2014 V2

Contact Information

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