



Certificate No: EW156



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

Smartroof SIP Panel Roofing System

Description of Product

This is an assessment of Sip Building Systems: Sip loadbearing wall, roof and party wall panels referred to hereafter as Smartroof SIP Panel Roofing System.

The system had achieved full BBA certification 06/4312 and Robust details E-WT-1



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 30th September 2011 and is valid until 26th November 2018
Issue Dated 30th October 2015

Scope of Registration

The system relates to Smartroof SIP Panel Roofing System, structural insulated panels for use above the damp-proof course in domestic applications up to two storeys high (plus room-in-roof) as the loadbearing inner leaf of an external cavity wall or part of separating walls, internal loadbearing walls and pitched roofs.

Conditions of Certificate

Smartroof SIP Panel Roofing System is only suitable for use as loadbearing partitions, separating walls, inner leaf of external walls and pitched roofs in dwellings up to 2 storeys high (plus room in roof). All structural calculations should be undertaken by a suitably qualified and experienced individual who should contact the company for full design guidance. All drawings should be carried out by the company or approved designers.

The cutting or forming of openings within wall or roof panels must be taken into account, in particular to the load bearing capacity of individual elements and overall stability of the structure.

The product should only be installed by competent builders who have been trained and approved.

As part of the structural design, consideration should be given to the support of eccentric loads as imparted by central heating systems and kitchen appliances.

The panels should be stored inside, or in dry sheltered conditions at least 150mm off the ground.

In the opinion of LABC, Smartroof SIP Panel Roofing System, if used in accordance with the provisions of this Certificate, will meet or contribute to meeting the relevant requirements of the following Building Regulations:



The Building Regulations 2010 (as amended) England & Wales

AD A1 Loading

AD A3 Disproportionate Collapse:

Note: Walls and roof constructed from panels will have sufficient strength and stiffness when designed in accordance with section 6.1 and 6.2 of the BBA certificate.

AD B3 (1) (2) (3) Internal fire spread (structure):

Note: The panels with appropriate lining can be used in walls required to have a fire resistance in excess of 60 minutes.

AD C2 Resistance to moisture

Note: The panels can adequately limit the risk of surface condensation and will contribute to minimising the risk of interstitial condensation.

AD E1 Protection against sound from other parts of the building and adjoining buildings

Note: When installed with suitable flanking elements, separating walls incorporating the panels can meet this requirement.

AD E29 (a) Protection against sound within a dwelling-house etc

Note: a single leaf, non-load bearing partition, incorporating suitable plasterboard linings, can meet this requirement

AD L1 Conservation of fuel and power (new dwellings)

Note: The panels contribute to meeting this requirement

Regulation 7 Materials and workmanship



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 Smartroof SIP Panel Roofing 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

BBA Agreement Certificate No 06/4312

Robust Details Ltd E-WT-1

The Building Test Centre Assessment Number BTC 14254FA

The Building Test Centre Report Number BTC 14225A

Certification & Timber Grading: Certificate of registration

Peter De Lacy Staunton BSc ENG DIP ENG MIEI Structural Design

SBS U values

SBS design guide

SBS fire certificate

SBS COSHH-Data

TB1 Structure

TB2 Fire

TB3 Acoustics

TB4 Thermal

ARoof Enhanced System

Contact Information

Smartroof Limited

Ryder Close

Cadley Hill Industrial Estate

Swadlincote

South Derbyshire

DE11 9EU

Tel: 01283 200 199

Email: peter.nordon@smartroof.co.uk

Web: www.smartroof.co.uk