

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

Boulder Developments Superfoil SF40

Description of Product

SF40 is a multilayer foil insulation for use in roofs and cavity walls in new build, renovation and conversion constructions.



Key Factors Assessed

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

Validity

This certificate was first issued on 2nd May 2013 and is valid until 11th November 2020

Issue Dated 18th October 2019

Scope of Registration

The product can be used to contribute to the thermal performance of roofs and cavity walls.

Insulation Product Type	1	
Test Method	EN 12667:2001	
Thermal conductivity (λ)	0.027	W/m/k
Emissivity	0.05	
Water vapour resistance	2843 μ	MNs/gm
Fire performance	Class E	
Product Thickness	86	mm
Core RD value (thermal resistance)	2.460	M2K/W
Core RD value with 2 air spaces	3.886	M2K/W
Air space thickness	13	mm
Direction of heat flow when tested	Horizontal	
Width	1.5	m
Weight	1310.0	g/m ²
Roll length	10	m

Conditions of Certificate

Consideration must be given to likely exposure conditions when considering full fill cavity insulation systems.

Partial fill cavity walls must have a minimum 50mm residual cavity.

Use of SF11 with Solid Wall 102mm BRICK – SF40 must be subject to an assessment of exposure conditions and intended use of room served.

Appropriate thermal analysis will be provided in each instance to demonstrate continued compliance with Approved Document L 2013.

For Scotland purposes:

Section 2 Fire: Class E reaction to fire for SF19 product only, and only when faced with min 9.5mm plasterboard.

Section 6 Energy: Appropriate thermal analysis will be provided in each instance to demonstrate continued compliance with Mandatory Standards 6.1 and 6.2.

That the products shall be manufactured and installed strictly in accordance with the manufacturer's instructions, in accordance with the certificate holder's instructions and fully in accordance with the accredited certification and supporting test reports.

The specifications and materials referred to have been assessed and approved in accordance with the Building (Scotland) Regulations 2004 and in accordance with the supporting guidance in the Domestic and Non-Domestic Technical Handbooks which came into force with effect from 1 July 2017.

Where reference is made on a plan or specification document to any Code of Practice, British or European Standard or manufacturer's instruction it shall be construed as a reference to such publication in the form in which it is in force at the date of this registered detail.

The materials specified shall not be changed without first gaining approval so to do. Failure to do so will invalidate the registered detail.

This Registered Detail should not be regarded as a formal approval under the building warrant process prescribed by the Building (Scotland) Act 2003 enacted from 1 May 2005. It supports the site-specific building warrant submission required in every case.

LABC and LABSS consider that, Boulder Developments Superfoil SF40, 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 product is acceptable.
AD C	Site Preparation and Resistance to Ground Moisture
Note:	The product satisfies the requirement.
AD L1B & L2B	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 or wall.



The Building Regulations 2010 (as amended) England

AD L1A & L2A	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 or wall.



The Building Regulations 2010 (as amended) Wales

AD L1A & L2A	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 or wall.



The Building (Scotland) Regulations 2004 (as amended)

Technical Handbooks - Domestic

Regulation 8	Durability, workmanship and fitness of materials
Note:	The product provides acceptable performance in relation to durability and suitability for use as an insulation system.
Section 2	Fire
	Annexes 2.B and 2.E Reaction to fire
Note:	BRE Global test report number 261657 – proves a Class E reaction to fire for SF19 product only and only when faced with min 9.5mm plasterboard.
Mandatory Standard 6.2	Building insulation envelope
Note:	The product will achieve the required U-value provided they are installed constructed in accordance with the manufacturer's details.

Non-Regulatory Information



LABC Warranty

This product confirms to the Functional Requirements of the LABC Warranty Technical Manual.

Supporting Documentation

BBA Test Report 49974THA

BBA Test Report 49700THB

BBA Test Report 59405THB

LABC Roof Install Guide – SuperFoil Insulation Roof Installation Guidelines

For Scotland purposes:

BBA 49700THBt.rep.doc-3

BBA 59405THB.rep.pdf

BBA SF40 Superfoil R3.58 Rec 130312

LABC RD EWW199B Boulder Developments SF40

SF4_FLAT ROOF - SF40 AND 65MM PUR BOARD

SF5_LOFT FLOOR UPGRADE SF40 AND 100MM MIN WOOL INSULATION

SF7_PITCHED ROOF - SF40 OVER 50MM PUR BETWEEN RAFTERS

SF8_PITCHED ROOF - SF40 OVER RAFTER SF19 UNDER

SF9_PITCHED ROOF - SF40 OVER RAFTER SF40 UNDER

SF10_PITCHED ROOF - SF40 UNDER RAFTER 40MM PUR BOARD

SF11_WALL SOLID 102MM BRICK - SF40

Thermal Calcs for SuperFOIL SF19 & SF40 90 90 Calcs

Contact Information

Boulder Developments Limited

Registered Office:

Black Horse Farm

Main Street

Norwell

Newark

Notts

NG23 6JN

Tel: 01636 639900

Email: technical@superfoil.co.uk

Website: www.superfoil.co.uk