

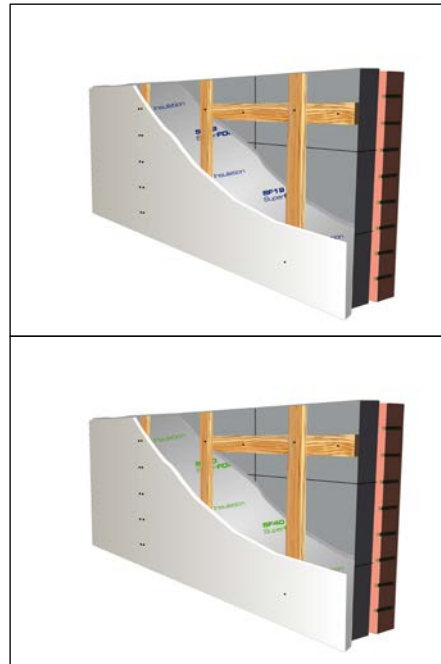
This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

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.

Please consult the 'Conditions of Certificate' and 'Non-Regulatory Information' sections to see if the product is acceptable for use on sites covered by LABC Warranty.



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 August 2022

Issue Dated 6th September 2021

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.

Whilst the fire performance and detailing of the product has not been assessed in the certificate, in line with the amendments to Building Regulation 7 (2) which came into effect on December 21 2018, Superfoil SF40 cannot be used on any relevant building with a storey at least 18m above ground level and which contains one or more dwellings; an institution; or a room for residential purposes (excluding any room in a hostel, hotel or a boarding house). This includes student accommodation, care homes, sheltered housing, hospitals and dormitories in boarding schools. For more information on the changes to Regulation 7 please click here -

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/760341/AD_7_v2_amend_2.pdf

For Scotland purposes:

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

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) at current date of issue

In England and Wales: Regulation 7(1)	Materials and Workmanship
In England: AD 7 (2018)	Materials and Workmanship
In Wales: AD 7 (2020)	Materials and Workmanship
Note:	The product is acceptable.
In England: Requirement C2(c)	Resistance to Moisture
AD C (2013)	Site preparation and resistance to contaminants and moisture
In Wales: Requirement C2(c)	Resistance to Moisture
AD C (2010)	Site preparation and resistance to contaminants and moisture
Note:	The product is acceptable.
In England: AD L1B (2018)	Conservation of fuel and power
AD L2B (2016)	Conservation of fuel and power
In Wales: AD L1B (2016)	Conservation of fuel and power
AD L2B (2016)	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	Building insulation envelope
Standard 6.2	
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 has not been assessed by LABC Warranty.

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

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