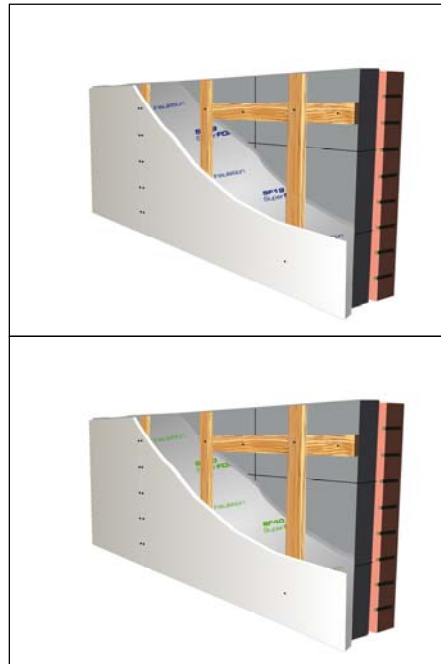


This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

## 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 2<sup>nd</sup> May 2013 and is valid until 11<sup>th</sup> November 2017

Issue Dated 11<sup>th</sup> November 2016

## 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 ( $\lambda$ ) | 0.027         | W/m/k            |
| Emissivity                         | 0.05          |                  |
| Water vapour resistance            | 2843 $\mu$    | 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 <sup>2</sup> |
| 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.

LABC consider that, Boulder Developments Superfoil SF 40, 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)

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

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

## Supporting Documentation

Drawing SF4 - flat roof with SF40 and 65mm PUR board

Drawing SF5 - loft floor upgrade with SF40 and 100mm mineral insulation

Drawing SF7 - pitched roof with SF40 over 50mm PUR between rafters

Drawing SF8 - pitched roof with SF40 over rafter and SF19 under

Drawing SF9 - pitched roof with SF40 over rafter and SF40 under

Drawing SF10 - pitched roof with SF40 under rafter and 40mm under

Drawing SF11 - solid wall 102mm brick and SF40

BBA Test Report 49974THA

BBA Test Report 49700THB

BBA Test Report 59405THB

LABC Roof Install Guide – SuperFoil Insulation Roof Installation Guidelines

## Contact Information

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