



ASSESSMENT AND SURVEILLANCE SCHEME FOR INSTALLERS OF ROOM IN ROOF INSULATION

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Note: This document may be revised from time to time, for example to take account of improvements and amendments to test and assessment methods and material innovations. Readers are advised to contact the British Board of Agrément to check the latest edition.

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1.0 TERMS AND CONDITIONS OF USE

Intellectual Property Rights, including Copyright, in the BBA Assessment and Surveillance Scheme for Installers of Room in roof Insulation (hereinafter referred to as the Scheme), this Scheme Document and any other related documentation belong to the BBA.

This Scheme Document has to be read, considered and used as a whole document – it may be misleading and will be incomplete to be selective.

You may view, read, print and copy this Scheme Document, for your own personal use and/or your business purposes. If a copy is passed to a third party, the BBA's Intellectual Property Rights must be acknowledged. Use and copying of this Scheme Document is permitted only in accordance with these terms and conditions.

References in this Scheme Document to any Act of Parliament, Statutory Instrument, Directive or Regulation, British, European or International Standard, Code of Practice, manufacturers' instructions or similar publication, are references to such publication in the form in which it was current at the date of this Scheme Document.

The BBA makes no warranties, representations or undertakings in respect of this Scheme Document.

In no event will the BBA be liable for any direct or consequential loss or damage arising from its use or use of, or reliance on its content.

The British Board of Agrément (BBA)

BBA offers a range of services that provide reassurance to UK users, specifiers, insurers and regulators of construction products and encourages the adoption of innovative construction solutions.

More specifically it:

- Tests and assesses construction products against UK requirements or other relevant recognised documents, issuing Agrément Certificates for those products it considers are fit for purpose
- Inspects and certifies manufacturers to confirm consistency of production; and
- Inspects the installation of products through independent or government schemes.

BBA Agrément Certificates

BBA Agrément Certificates provide BBA's independent opinion of the fitness for purpose of a product or system having assessed all relevant performance factors including as appropriate safety, installation, durability and other essential requirements.

2.0 INTRODUCTION

The quality of installation of the energy efficiency measure is critical in the performance of the completed installation. This Scheme Document sets out the process, requirements and responsibilities for those involved.

The Scheme is based on a two-party arrangement:

- the BBA,
- the Approved Installer.

This scheme is separate from any other assessment and surveillance scheme operated by the BBA. The installer may have an energy efficiency design for this particular measure whereby they are BBA approved installers of another measure, and they incorporate that particular measure in to the design of room in roof insulation.

It is a requirement of the Scheme that insulation is installed only by Approved Installers. The method of installation is critical to the performance of the product, because poor installation practice can substantially reduce product life including insulation effectiveness and its effect on the future performance of the roof structure, e.g. reduced ventilation.

It is a requirement of this Scheme that Approved Installers only claim approval when installing approved products for which they have been assessed. Installers registered by the BBA with the Green Deal Registration and Oversight Body can use the Green Deal Mark as required by the Green Deal licence. Guidance on the proper use of logos is available separately from the BBA.

Statutory requirements

The Installer shall comply with the statutory requirements applicable to the building to be insulated, for example relevant Building Regulations.

3.0 SCOPE

This Scheme Document is valid only within the UK, Isle of Man and Channel Islands.

4.0 REFERENCE DOCUMENTS

Standards

ISO 17065:2012 Conformity assessment — Requirements for bodies certifying products, processes and services

BS EN ISO/IEC 17020:2012 Conformity assessment - Requirements for the operation of various types of bodies performing inspection

BS 5803-2 or -3:1985 Thermal insulation for use in pitched roof spaces in dwellings.

BS EN 13162:2012+A1:2015 Thermal insulation products for buildings. Factory made mineral wool (MW) products

PAS 2030:2017 Specification for the installation of energy efficiency measures in existing buildings

PAS 2031:2017 Certification of energy efficiency measure (EEM) installation in existing buildings

Other relevant documents

BBA Brand Guidelines (19-06-25)

BBA Assessment and surveillance scheme for approved installers of cavity wall insulation (15-01-01).

BBA Assessment and surveillance scheme for approved installers of external wall insulation (15-01-04).

BBA Assessment and surveillance scheme for approved installers of internal wall insulation (15-01-08).

Building Regulations Approved Document B Vol. 1 (England) 2006 edition (as amended).

Building Regulations Approved Document B Vol. 1 (Wales) 2006 edition (as amended).

Building Regulations Approved Document L1b (England)

Building Regulations Approved Document L1b (Wales) 2014 edition (as amended).

CITB guide: General requirements and guidance for the installation of cold roof loft insulation (V2 September 2013).

CIGA Technician's guide to best practice: Flues, chimneys and combustion air ventilators (V3 May 2016)

Common Minimum Technical Competences

DCLG Building Regulations: Third Party Certification Schemes – Conditions of Authorisation

Energy Company Obligation 2015-17 (ECO2) Guidance: Delivery

Energy Company Obligation 2017-18 (ECO2t) Guidance: Delivery

GD CAP01 Accepted approach to installer surveillance evaluation

GD CAP03 Inspection and surveillance of External, Hybrid and Internal wall insulation

Green Deal Code of Practice + Annex C: Green Deal Installers + Annex D: Green Deal Products and Systems + Annex E: Certification Bodies

Green Deal Oversight and Registration Body: Overview of monitoring strategy July 2015

Green Deal Quality Mark requirements and Guidelines 2.1

Green Deal Terminology

NIA Guide to retrofit room in roof insulation (29.03.17) V1.0

NHBC Technical guidance document "Loft hatches and fire resistance" Dec 2008.

ORBCOMM018 Green Deal Code of Practice – compliance requirements

ORBCOMM029 Pre-installation survey requirements for telecommunication services in Solid Wall Insulation installations

Terms and Condition of Sub-Sublicense (Installer)

TrustMark Core Criteria

5.0 DEFINITIONS

For the purpose of this scheme, the following definitions apply:

Abbreviation or term	Explanation of abbreviation or term
1) Approved Installer	The company or organisation accepted into the Scheme.

2)	Assessor / Surveyor	A person who has satisfactorily completed the training programme operated by the Installer, who is capable of assessing buildings according to this Scheme Document.
3)	Customer	The person/homeowner, company or organisation, on whose behalf the work is being undertaken.
4)	Green Deal Advisors	A Green Deal Advisor is an individual employed or contracted by an authorised Green Deal Assessor who visits the property to undertake a Green Deal assessment and make recommendations for energy saving improvements
5)	Green Deal Assessor	A Green Deal Assessor is a Green Deal Approved organisation that is certified by an accredited Green Deal Certification Body against the Assessor Specification and is authorised by the Secretary of State to act as a Green Deal Assessor
6)	Installer	The company or organisation applying for assessment for the installation of loft insulation. Once accepted, the installer is known as an Approved Installer
7)	Office	The administrative centre in which all relevant documentation is kept and from where staff are managed or supervised.
8)	Product	The material used for insulating the loft space usually available in loose form, rolls or batts of glass fibre, mineral wool, polymer, cellulose or other naturally sourced matter, and either holds an Agrément Certificate or complies with the requirements of BS 5803-2 or -3 : 1985 or BS EN 13162 : 2012, respectively.
9)	Room in roof	To be classified as a room in roof as opposed to being a normal storey, the point at which 50% of common walls meet the eaves on that storey must be less than 1.8 metres high. A room in roof storey must be accessible with a fixed staircase (not a fixed step ladder), with steps that are safe to walk up and down facing forwards. A room in roof storey need not to contain any habitable rooms, but can comprise only non-habitable rooms such as bathroom or storeroom.
10)	Scheme	BBA Inspection Scheme for Installers of Room In Roof Insulation.
11)	Scheme Document	The BBA Scheme Document for the Assessment and Surveillance of Installers of room in roof Insulation
12)	Stakeholder	Any company or organisation with an interest in insulation and a willingness to work with the BBA to monitor and raise the standards of installing room in roof insulation.
13)	Subcontractor	An Approved Assessor or Operative carrying out work for an Approved Installer for which the Approved Installer assumes liability but not directly employed by them.
14)	Technical Specification	A detailed description of the installation process as defined in the following documents, including where relevant; the specifiers design and method statement, the manufacturers installation methods as described in a BBA Agrément Certificate (or equivalent), and General requirements and guidance for the installation of loft insulation – published by CITB – Construction Skills

15)	Technician	A person who has satisfactorily completed an Approved Installers' training programme and carries an identity card issued by the Approved Installer.
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6.0 THE APPROVED SYSTEM

The BBA operates a UKAS accredited product Certification Scheme under the terms of ISO 17065:2012.

BBA Certificated products are subject to both a rigorous initial assessment and ongoing surveillance to ensure that they are fit for their intended use.

Products with CE marking will also require independent third party validation of installation requirements and address the relevant UK design, use and Building Regulations provisions.

Annex D of the Green Deal Code of Practice sets out eligibility requirements for inclusion under the terms of the Green Deal.

In addition, as part of this Scheme, Certificate holders and or system manufacturers are required to:

- have their training processes for Approved Installers assessed and approved by the BBA
- agree with the BBA a detailed installation Method Statement, to cover all aspects of the installation process, from initial survey to hand over process and maintenance requirements. This Method Statement is unique to each system and forms the technical basis of both the training of potential Approved Installers and this Scheme.

7.0 THE APPROVED INSTALLER PROCESS

As a first step to becoming an Approved Installer, an Applicant must complete a BBA contract, either by download from the BBA website, www.bbacerts.co.uk, by telephone request to 01923 665300, or by e-mail request to construction@bbacerts.co.uk.

Installers applying to join the Scheme are subject to an initial assessment.

On successful completion of the assessment process, the Installer is accepted into the Scheme as an Approved Installer and is subject to regular surveillance by the BBA.

Initial Approval

The BBA shall witness a site installation and make one assessment visit to each office. Invoicing for these inspections will be made in advance and payment must be received prior to the inspections taking place.

For the measure to be assessed, the BBA shall inspect a minimum of one site in progress. The site inspection(s) will consist of an examination of the records for the installation of ongoing works, followed by an inspection of the work in progress. The site will be inspected during its critical stages, to ensure coverage of the key operations, including setting out, detailing around openings and finishing. This will

assess the works being carried out against the contents of the agreed Method Statement and established best practice.

Ongoing Approval and Surveillance

Each year after the initial approval, the Inspection Body will carry out a single office visit and a series of visits to sites, frequencies of which will be based on those required in the particular clauses of PAS 2031 and as a % of the total the number of installations by that installer, with a minimum of one. This number may be increased, at the BBA's discretion, should the results of the inspections indicate that the Approved Installer is failing to meet the Technical Requirements. These extra visits will be charged separately to the Approved Installer.

The Approved Installer will be issued with a variation report by the Inspection body after each visit which raises a non-compliance.

The BBA will require all remedial work to be completed within 14 days of the notification of a non-compliance and all identified non-compliant works, at the discretion of the BBA, will be re-inspected. Where an inspection reveals that any work completed could affect the safe operation of combustion appliances or electrical equipment, the inspector will immediately notify the installer by telephone. The Approved Installer must rectify the non-compliance within 24 hours of being notified. In such circumstances, the Approved Installer must liaise closely and promptly with the BBA until satisfactorily completing the remedial works.

- where the Approved Installer operates from more than one office, each office shall be treated as a separate Approved Installer for the purposes of inspections and invoicing.
- the BBA will invoice all Approved Installers for surveillance visits annually in advance. Non-payment of fees by Approved Installers will result in the withdrawal of Membership. Invoicing for remedial inspection visits will be made after the visit has taken place and payment must be received within 30 days of the date of the invoice.
- the BBA reserves the right to carry out extra visits when serious discrepancies or concerns are encountered. These extra visits will be charged to the Approved Installer.

An annual report will be collated by the BBA in respect of the Scheme for review/comment by the Stakeholders and Approved Installers. Individual Approved Installer performance details may be shared with the Stakeholders to whom the Approved Installer is contracted, observing confidentiality, as necessary.

Licence

While the Approval is valid, the BBA grants to the Installer a non-exclusive licence to:

- (a) use the BBA Logo strictly in accordance with the current or later versions of the "BBA Brand Guidelines" document (a copy of which is on the BBA's website); and
- (b) disclose, publish and make known to any third parties that it is a BBA Approved Installer.

This licence can be suspended or revoked at any time by the BBA including and without prejudice to the generality of the foregoing upon the suspension or revocation or expiry of the Approval.

Installers who are also registered for the Green Deal will be granted a non-exclusive sub-sublicence to use the Green Deal logo.

8.0 CONDITIONS OF APPROVAL

The singular includes the plural, and vice versa.

The BBA shall be entitled to suspend or revoke its approval of an Installer at any time by notice in writing to the Installer, and without prejudice to the generality of the foregoing may suspend or revoke the approval by notice if:

- a) there is non-compliance by the Installer with the content of the BBA Agrément Certificate under which the Installer is approved by the BBA;
- b) there is non-compliance by the Installer with the relevant BBA Scheme Document, as may be changed from time to time by the BBA;
- c) any information becomes available which was not at the disposal of the BBA prior to its approval of the Installer being approved;
- d) the BBA Agrément Certificate under which the Installer operates is suspended or withdrawn;
- e) the installer fails to pay to the BBA any Fees within the time limits determined by the BBA;
- f) the installer goes into liquidation or has a receiver or administrator appointed over any part of its business, property or assets.
- g) the installer fails to inform the BBA of weekly work schedules

The BBA's entitlement to suspend or revoke an approval described above also applies to the following: BBA approved Installers must co-operate with the BBA and provide any information it requests related to the Scheme and without prejudice to the generality of the foregoing must:

- a) provide the BBA with any information requested that demonstrates compliance with the Scheme, the BBA Agrément Certificate under which the Installer operates and Building Regulations;
- b) have, maintain and make available to the BBA clear, easy to understand literature and documentation, in particular for work that is outside the scope of their BBA Approval;
- c) reference the BBA and use the relevant BBA logo only in accordance with the BBA Guidelines relating thereto; and
- d) allow the BBA to carry out surveillance as determined by the BBA

The BBA's entitlement to suspend or revoke an approval described above also applies to the following: BBA approved Installers must not contravene any Scheme requirements and without prejudice to the generality of the foregoing must not:

- a) in the opinion of the BBA bring its name into disrepute;
- b) misrepresent their BBA approval; or
- c) promote themselves as, or state or imply in any way that they are BBA approved, if promoting, seeking, carrying out or giving notification of work outside the scope of their BBA approval.

9.0 RESPONSIBILITIES

The Approved Installer's responsibilities

The Approved Installer is responsible for training and auditing its appointed technicians to ensure that the requirements of this Scheme are met.

Further details can be found in the main text of this document.

The Approved Installer has responsibility for:

- assessing the ability of Assessors and Technicians to meet the requirements of this Scheme Document. The Assessors and Technicians must be able to demonstrate that they are fully conversant with the contents and requirements detailed in the Scheme Document and all other factors that could affect the success of an installation including but not restricted to:
 - general requirements and guidance for the installation of loft insulation – published by CITB – Construction Skills.
 - suitability and preparation of the site
 - installation techniques
 - repair and maintenance
 - health & safety, including asbestos awareness, working at heights, PPE, risk assessments and advising the customer of issues arising from the risk assessment
- adhering to all statutory requirements applicable to the building to be insulated, for example the Building Regulations
- maintaining robust documentation identifying all work in progress and completed installations
- responding to the BBA for requests of ongoing and completed works
- acting on any actions raised during an inspection and completing the required remedial works within a specific timescale as defined under the requirements of the Scheme Document – see ongoing approval and surveillance
- ensuring they have been contracted by a Stakeholder, when deemed necessary, to carry out the installation
- maintaining records of all Assessors and Technicians, including dates of individual approval
- monitoring and inspecting the Technicians to ensure they continually comply with the requirements of the Scheme Document. A minimum of one site visit per month shall be made to each Technician; and reports made and retained. All such reports shall be made available to the BBA to demonstrate that inspections have taken place

- maintaining technical support to the Assessors and Technicians
- informing customers (via a data privacy notice or similar) that names and addresses may need to be provided to BBA as the Inspection Body

Assessment of the building

The Approved Installer must ensure that the building in which it is intended to install room in roof insulation meets the requirements of this Scheme Document. A written assessment report shall document whether or not the building is suitable for the proposed installation and must identify problems that may adversely affect the proper functioning of the building after completion of the installation, together with suitable corrective actions.

The assessment report form shall be approved by the BBA but may be unique to the Approved Installer.

The report shall include, as a minimum:

- the names of the Approved Installer, the Assessor and Technician (if different from Assessor)
- the name and address of the customer and the location of the building
- a signed declaration that the building has been assessed according to the requirements of the Scheme Document
- reasons for omitting areas and a signature from the customer agreeing with these reasons
- an assessment of the current level of background ventilation in habitable rooms, and intermittent extract ventilation in all 'wet rooms'. Instruction should be provided as to how an appropriate level of ventilation is to be maintained or provided, as per clause A.5 of PAS 2030:2017.
- any pre-existing damage to the areas to be accessed
- the specification of any remedial action that will be required before the installation of the insulation. The responsibility for rectification shall be identified at the time of noting such actions
- a documented risk assessment (supported by photographs to highlight any specific or unusual features that may create additional hazards with the work) – before any services are undertaken
- Assessment of the current condition of all the room in roof elements, including but not limited to Horizontal roof room ceiling, Stud walls, Common walls, Sloping ceilings, Gable end, Party walls, Dormer windows, Residual loft space and Draught proofing. **SEE APPENDIX 2.**
- How the design will reduce the risk of thermal bridging at corners, junctions, edges of insulation layers, as per the requirements of PAS2030:2017 Annex A.6
- The specification of any new access hatches to be created, in relation to fire rated access. (Building Regs Document B vol.1 edition 2006 (as amended))
- choice of products used and reasons.
- Choice of method and products to be used.

- the existing level of insulation (if any) and agreed level of insulation thickness to be added (to be defined by the Stakeholder organisation)
- any special requirements/factors for a particular installation, such as restricted access, etc.
- confirmation that the site is free of rodents / pests and protected species (e.g. bats)
- confirmation that timbers are free from rot / infestation
- the condition of the ceiling
- confirmation that the structural roof timbers are free from visible signs of rot
- confirmation that the electrical wiring is free from visible defects (e.g. damaged or trailing cables, exposed connectors, etc.)
- confirmation that there is no visible sign of water penetration
- confirmation that there is no visible sign of water leakage from water system components, e.g. pipework, cisterns etc.
- a record of the presence or likely presence of asbestos-containing materials in the loft, e.g. in insulation to water tanks and pipes. If the presence of Asbestos is suspected it should be labelled and reported to the customer. Asbestos-containing materials can be highly dangerous if disturbed. Useful guidance is given in the HSE's website: www.hse.gov.uk/asbestos/.
- The position of all flues within the room in roof, whether or not they are in service and measures that must be taken to safeguard their proper functioning

Before installation of the system, the customer shall be supplied with a copy of the completed assessment report.

All buildings that show, or have shown, evidence of water penetration to the roof space that have not been rectified shall be classed as unsuitable for installation of the product.

Where the building is deemed to be unsuitable for insulation, the Approved Installer shall provide written notice to the customer. The notice shall identify the reasons for unsuitability.

Work instructions

The Approved Installer shall ensure that the following items are documented and made available to the Technician on site:

- the assessment report
- special instructions to the Technician relating to time, access and services needed by the technician
- the completed risk assessment and any instructions/actions that need to be followed.

BBA Responsibilities

The BBA has responsibility for assessing, appointing and maintaining the membership of the Scheme on the basis set out in this document.

Details of the membership will be made available on the BBA website.

The Scheme will involve assessing the ability of an Installer to meet the requirements of this Scheme Document prior to the application to the BBA to become an Approved Installer. The Installer must be able to demonstrate that they are fully conversant with the Technical Requirements and for Green Deal installations, of PAS 2030 and the Green Deal Code of Practice.

The BBA is responsible for checking that the products are being installed according to the Technical Requirements of this Scheme. The assessment, surveillance and re-assessment as appropriate of Approved Installers is undertaken by the BBA's own Inspectors who are trained and experienced in the technology and installation techniques.

10.0 RECORDS

The Approved Installer shall make available to the BBA on request records of all work carried out under the scheme.

As a minimum, the following information shall be provided:

- the customer's details
- a brief specification for the works, including the quantity of material used/required
- a written form of contract agreement
- the site address
- the commencement date
- instructions to the Technicians
- the Assessor's building assessment reports and risk assessments
- records of training, the required qualifications and experience of all operatives, including details of the manner in which the individual has obtained practical experience
- a register of all complaints received concerning work carried out under the approval issued by the BBA. The register shall identify the address, the work/job number, brief description of complaint, action taken and resolution dates.

11.0 HEALTH AND SAFETY

The Approved Installer must ensure Approved Surveyors and Operatives work in a safe and responsible manner and be able to demonstrate their ability to manage the types of risk involved with the work. The Approved Installer must demonstrate that they have a process in operation, but the adequacy of the process is the responsibility of the Approved Installer and does not form a part of this Scheme.

12.0 APPENDICES

APPENDIX 1 – BBA QUALITY CONTROL SPECIFICATION

Introduction

- 1.1 The BBA requires that all products considered for approval be installed in an environment which delivers performance to a pre-defined standard and at a consistent level. Frequently this will require a management system based upon the International Standard ISO 9001.
- 1.2 For other companies we require conformity with a set of criteria, defined in this Appendix which focus on the key elements that we believe are essential for assuring quality.
- 1.3 You may choose to include all your business activities within the scope of your Quality Management System. The Inspection Body assessment will only deal with the elements of the Quality Management System relating to the installation of the products which are the subject of the assessment and/or certification process.

Criteria

- 2.1 Competence – your Company shall maintain a register of persons competent to undertake defined tasks.
- 2.2 Complaints – your Company shall record all customer complaints (commercial, technical, those received in writing and verbal statements of dissatisfaction from customers and enquirers), and take appropriate corrective and preventative actions to address, and retain records, of such.
- 2.3 Purchasing – your Company shall only purchase goods as per your approved status.
- 2.4 Installation controls – your Company shall formulate and issue suitable instructions and training to staff to ensure that products installed meet a consistent and defined standard. Documentation shall also detail the levels of process control as per the agreed installation method statement.
- 2.5 Identification and traceability – your Company shall identify the product by name and batch number. The finished product shall be traceable to the date, or batch, of production and unique number.
- 2.6 Testing and inspection – your Company shall carry out testing in accordance with the agreed method statement for the approved product.
- 2.7 Calibration – measuring and test equipment shall be of sufficient accuracy and clearly identified, calibrated and traceable to national standards.
- 2.8 Internal auditing – periodically your management shall assess the appropriateness of your procedures to ensure that they are being followed and achieving their objectives.
- 2.9 Records – the Company shall hold records of:
 - competence and training
 - complaints and resulting action(s)
 - installation
 - test and inspection (including non-compliance where applicable)
 - calibration
 - internal audits.

Additional considerations

- 3.1 Many companies achieve great value by extending their management system to achieve compliance with ISO 9001; we recommend that you consider these important elements.
- 3.2 Management review – your management should carry out a regular critical review of the processes and procedures of the company, including analysis of customer complaints, internal audits, and non-conformities, and take action for the future.
- 3.3 Corrective action – Your management should investigate each problem as it arises and adjust processes and training as appropriate to prevent recurrence.

APPENDIX 2

Elements to consider for the energy efficiency measure design:

Horizontal roof room ceiling – *U values should meet standard for renovation of thermal elements, Table 3 in Section 5 of Building Regulations Approved Document L1B*

- Accessibility
- Type of roof covering
- Existing ventilation
- Existing insulation and thickness to be installed
- HWE / CW tanks and pipes to be insulated
- Provision of hatches. – See NHBC Technical Guidance Document ‘Loft Hatches and Fire Resistance’ (Dec 2008)
- Provision of walk-boards.

Sloping roof room ceilings –

- Accessibility
- Method of installation –
 - *Between rafter and over boarding system the U values should meet standard for new thermal elements, Table 2 in Section 5 of the Building Regulations Approved Document L1B (external or internal insulation)*
 - *Over boarding only system the U values should meet standard for renovation of thermal elements, Table 3 in Section 5 of the Building Regulations Approved Document L1B (external or internal insulation)*
- Existing ventilation

Dwarf Walls (Stud and Common) – *U values should meet standard for renovation of thermal elements, Table 3 in Section 5 of the Building Regulations Approved Document L1B (external or internal insulation)*

- Type of wall
- Accessibility
- Existing insulation level, and method of insulation to be installed, including any vapour barriers required.

Provision of hatches. - See NHBC Technical Guidance Document ‘Loft Hatches and Fire Resistance’ (Dec 2008)

Gable walls – *U values should meet standard for renovation of thermal elements, Table 3 in Section 5 of the Building Regulations Approved Document L1B (external or internal insulation)*

- Construction, e.g. solid, cavity, cavity filled.
- Existing insulation and method of insulation to be installed.
- An independent assessment should be made of the gable wall if insulation is required, as per the guidance set out in the BBA Assessment and surveillance schemes for approved installers of cavity wall insulation, external wall insulation and internal wall insulation.
- Where cavity or solid wall insulation is to be installed, the installer should be a BBA approved installer of that particular measure.

Party walls-

- Construction, e.g. solid, cavity, cavity filled.
- Adjoining heated space
- Existing insulation and method of insulation to be installed.
- An independent assessment should be made of the gable wall if insulation is required, as per the guidance set out in the BBA Assessment and surveillance schemes for approved installers of cavity wall insulation and internal wall insulation.
- Where cavity or solid wall insulation is to be installed, the installer should be a BBA approved installer of that particular measure.

Dormer cheeks and ceilings – *U values should meet standard for renovation of thermal elements, Table 3 in Section 5 of the Building Regulations Approved Document L1B (note differing U value requirements for ceilings and wall elements).*

- Construction, e.g. timber, solid, cavity, cavity filled.
- Existing insulation and method of insulation to be installed.
- Where cavity or solid wall insulation is to be installed, the installer should be a BBA approved installer of that particular measure.

Residual loft spaces- *U values should meet standard for renovation of thermal elements, Table 3 in Section 5 of the Building Regulations Approved Document L1B*

- Accessibility.
- Type of roof covering.
- Existing ventilation.
- Existing insulation and thickness to be installed.
- HWE / CW tanks and pipes to be insulated.
- Provision of hatches. - See NHBC Technical Guidance Document 'Loft Hatches and Fire Resistance' (Dec 2008).
- Provision of walk-boards.