

Energy Company Obligation (ECO): Technical Monitoring Questions

Under ECO suppliers are required to instruct suitably qualified independent agents to carry out technical monitoring on a sample of ECO measures installed.

This document lists the questions to be used during ECO technical monitoring. Ofgem have developed the questions in conjunction with industry and suppliers. The questions should be used for all ECO technical monitoring conducted after 1 July 2013. For further details on the requirements of technical monitoring, refer to section 13 of the [Energy Company Obligation \(ECO\): Guidance for Suppliers](#)¹, available on our website.

ECO technical monitoring is split into three sections;

Compliance questions: Ensure that the measure has been installed in accordance with ECO guidelines and legislation. This section also ensures that the core fields of SAP/RdSAP have been completed correctly and are accurate. This section is applicable for every measure inspected.

Competence questions: Ensure that the installer is approved to install the measure and the operatives on site meet the required competency levels for the work they are undertaking. This section is only applicable to pre- and mid- install inspections.

Carbon / Cost savings: To ensure that the measure will achieve the stated carbon/cost savings. One of three carbon stages should be completed for every measure inspected;

- Carbon 1 to be used at the pre-installation/ preparatory works stage.
- Carbon 2 to be used at the mid-installation stage.
- Carbon 3 to be used at the post-installation stage.

Where all three carbon stages are applicable to a measure (e.g. for external wall insulation, flat roof insulation, internal wall insulation and underfloor insulation), we recommend monitoring is split by the following;

- 25% of monitoring should occur at stage 1
- 50% of monitoring should occur at stage 2
- 25% of monitoring should occur at stage 3

Where only carbon stages 2 and 3 carbon are applicable to a measure (e.g. for hard to treat cavity insulation and room in roof insulation), we recommend monitoring is split by the following;

- 60% of monitoring should occur at stage 2
- 40% of monitoring should occur at stage 3

Throughout the questions we refer to SAP/RdSAP calculations. These may not be relevant for appropriate methodologies. Questions should be answered with respect to the calculation methodology used.

Suppliers may use their own version of the forms and add additional questions if required, as long as all of the Ofgem questions remain.

¹ Available at:

[http://www.ofgem.gov.uk/Sustainability/Environment/ECO/guidance/Documents1/Energy%20Companies%20Obligation%20\(ECO\)%20Guidance%20for%20Suppliers%20-%202015%20March.pdf](http://www.ofgem.gov.uk/Sustainability/Environment/ECO/guidance/Documents1/Energy%20Companies%20Obligation%20(ECO)%20Guidance%20for%20Suppliers%20-%202015%20March.pdf)

Summary table of monitoring required for each measure type

Measure Type	Compliance questions	Competency questions	Carbon 1 questions	Carbon 2 questions	Carbon 3 questions
Boiler Installation	✓	n/a	n/a	n/a	✓
Boiler Repair	✓	n/a	n/a	n/a	✓
Heating Controls	✓	n/a	n/a	n/a	✓
Cavity Wall Insulation	✓	n/a	n/a	n/a	✓
Draught Proofing	✓	n/a	n/a	n/a	✓
Electric Storage Heaters	✓	n/a	n/a	n/a	✓
External Wall Insulation	✓	Only if carbon stage 1 or 2 completed	For 25% of inspections	For 50% of inspections	For 25% of inspections
Flat Roof Insulation	✓	Only if carbon stage 1 or 2 completed	For 25% of inspections	For 50% of inspections	For 25% of inspections
Glazing	✓	n/a	n/a	n/a	✓
Hard to Treat Cavity Wall Insulation	✓	Only if carbon stage 2 completed	n/a	For 60% of inspections	For 40% of inspections
Hot Water Cylinder Insulation	✓	n/a	n/a	n/a	✓
Internal Wall Insulation	✓	Only if carbon stage 1 or 2 completed	For 25% of inspections	For 50% of inspections	For 25% of inspections
Loft Insulation	✓	n/a	n/a	n/a	✓
Room in Roof Insulation	✓	Only if carbon stage 2 completed	n/a	For 60% of inspections	For 40% of inspections
Underfloor insulation	✓	Only if carbon stage 1 or 2 completed	For 25% of inspections	For 50% of inspections	For 25% of inspections

ECO Technical Monitoring

Boiler Installation Boiler Repair Heating Controls

Carbon Stage: 3 (post installation)

Compliance

- 1) Reference: _____
- 2) Installation date (*if known*): _____ Inspection date: _____ Date of remedial works (if applicable): _____
- 3) Date of handover (*if applicable*): _____
- 4) Technical monitoring inspector and company: _____
- 5) Measure: Pass Fail If fail, please provide question number(s): _____
- 6) If the supplier has claimed an associated measure, is it present at the property? Yes No Not Known
If yes, measure type: _____
- 7) Customer name: _____
- 8) Building name or number: _____ Street name: _____ Town: _____ Postcode: _____
- 9) Was the measure installed as part of construction of new dwelling/ extension, and is it to comply with building regulations?
 Yes No
- 10) If yes, does the SAP/ RdSAP calculation only calculate the part of the measure that exceeds building regulations?
 Yes No N/A
- 11) Does the floor area match the SAP/ RdSAP calculations? Yes No
- 12) Does the number of habitable rooms match the SAP/ RdSAP calculations? Yes No
- 13) Does the dwelling type match the SAP/ RdSAP calculations? Yes No
- 14) Does the roof type match the SAP/ RdSAP calculations? Yes No
- 15) Does the existing loft insulation match the SAP/ RdSAP calculations? Yes No
- 16) Does the wall type match the SAP/ RdSAP calculations? Yes No
- 17) Does the existing wall insulation match the SAP/ RdSAP calculations? Yes No
- 18) Does the main heating type match the SAP/ RdSAP calculations? Yes No
- 19) Does the primary fuel used for heating match the SAP/ RdSAP calculations? Yes No
- 20) Does the primary fuel used for hot water match the SAP/ RdSAP calculations? Yes No
- 21) Does the type of heating controls and numbers match the SAP/ RdSAP calculations? Yes No
- 22) Is there evidence the installation complies with building regulations? Yes No
- 23) What are the heating controls installed and numbers (post-installation)?
(*if applicable*)
 - Programmer _____
 - Room thermostats _____
 - TRVs _____
 - Auto change control _____
 - Manual change control _____

Carbon (Stage 3 only)

- 24) Does the make of the new boiler match SAP/ RdSAP calculations? Yes No
- 25) Does the model of the new boiler match SAP/ RdSAP calculations? Yes No

- 26) Is the boiler connected to a functioning domestic central heating (and, if applicable, hot water) system? Yes No
- 27) Does the efficiency of the new boiler match SAP/ RdSAP calculations? Yes No
- 28) Where a new cylinder has been installed, is it of appropriate size? Yes No N/A
- 29) Are the water pipes connected to the cylinder insulated? Yes No N/A
- 30) Does the occupant confirm they know how to use the new boiler/ controls? Yes No N/A
- 31) Is all reinstatement work to an acceptable standard? Yes No N/A

Comments

Comments must be provided where a No, N/A or Not Known response is given.

References

- PAS 2030:2012
- Gas Safety (Installation and Use) Regulations 1998
- Domestic heating by gas: boiler systems – guidance for installers and specifiers (Energy Saving Trust)

ECO Technical Monitoring
Cavity Wall Insulation
Carbon Stage: 3 (post installation)

Compliance

- 1) Reference: _____
- 2) Installation date (*if known*): _____ Inspection date: _____ Date of remedial works (if applicable): _____
- 3) Date of handover (*if applicable*): _____
- 4) Technical monitoring inspector and company: _____
- 5) Measure: Pass Fail If fail, please provide question number(s): _____
- 6) If the supplier has claimed an associated measure, is it present at the property? Yes No Not Known
If yes, measure type: _____
- 7) Customer name: _____
- 8) Building name or number: _____ Street name: _____ Town: _____ Postcode: _____
- 9) Was the measure installed as part of construction of new dwelling/ extension, and is it to comply with building regulations?
 Yes No
- 10) If yes, does the SAP/ RdSAP calculation only calculate the part of the measure that exceeds building regulations?
 Yes No N/A
- 11) Does the floor area match the SAP/ RdSAP calculations? Yes No
- 12) Does the number of habitable rooms match the SAP/ RdSAP calculations? Yes No
- 13) Does the dwelling type match the SAP/ RdSAP calculations? Yes No
- 14) Does the roof type match the SAP/ RdSAP calculations? Yes No
- 15) Does the existing loft insulation match the SAP/ RdSAP calculations? Yes No
- 16) Does the wall type match the SAP/ RdSAP calculations? Yes No
- 17) Does the existing wall insulation match the SAP/ RdSAP calculations? Yes No
- 18) Does the main heating type match the SAP/ RdSAP calculations? Yes No
- 19) Does the primary fuel used for heating match the SAP/ RdSAP calculations? Yes No
- 20) Does the primary fuel used for hot water match the SAP/ RdSAP calculations? Yes No
- 21) Does the type of heating controls and numbers match the SAP/ RdSAP calculations? Yes No
- 22) Does the percentage of the measure installed match the SAP/ RdSAP calculations? Yes No
- 23) If less than 100% of the measure installed, does the reason match the reason provided to the supplier?
 Yes No unable to validate
- 24) Is there evidence that the installation and materials used comply with building regulations? Yes No

Carbon (Stage 3 only)

- 25) Material used: Mineral wool Grey Bead White Bead Foam Other _____
- 26) Is the insulation material suitable for use with the property's exposure level to wind driven rain? Yes No
- 27) Is the form of construction and condition of the property suitable for the material being installed? Yes No

- 28) Does the drilling pattern ensure an even distribution of material, and conform to the appropriate materials compliance certificate? Yes No
- 29) Have all injection holes been made good? Yes No
- 30) Are cavity brushes fitted where required? Yes No N/A

Comments

Comments must be provided where a No, N/A or Not Known response is given.

ECO Technical Monitoring
Draught Proofing
Carbon Stage: 3 (post installation)

Compliance

- 1) Reference: _____
- 2) Installation date (*if known*): _____ Inspection date: _____ Date of remedial works (if applicable): _____
- 3) Date of handover (*if applicable*): _____
- 4) Technical monitoring inspector and company: _____
- 5) Measure: Pass Fail If fail, please provide question number(s): _____
- 6) If the supplier has claimed an associated measure, is it present at the property? Yes No Not Known
If yes, measure type: _____
- 7) Customer name: _____
- 8) Building name or number: _____ Street name: _____ Town: _____ Postcode: _____
- 9) Was the measure installed as part of construction of new dwelling/ extension, and is it to comply with building regulations?
 Yes No
- 10) If yes, does the SAP/ RdSAP calculation only calculate the part of the measure that exceeds building regulations?
 Yes No N/A
- 11) Does the floor area match the SAP/ RdSAP calculations? Yes No
- 12) Does the number of habitable rooms match the SAP/ RdSAP calculations? Yes No
- 13) Does the dwelling type match the SAP/ RdSAP calculations? Yes No
- 14) Does the roof type match the SAP/ RdSAP calculations? Yes No
- 15) Does the existing loft insulation match the SAP/ RdSAP calculations? Yes No
- 16) Does the wall type match the SAP/ RdSAP calculations? Yes No
- 17) Does the existing wall insulation match the SAP/ RdSAP calculations? Yes No
- 18) Does the main heating type match the SAP/ RdSAP calculations? Yes No
- 19) Does the primary fuel used for heating match the SAP/ RdSAP calculations? Yes No
- 20) Does the primary fuel used for hot water match the SAP/ RdSAP calculations? Yes No
- 21) Does the type of heating controls and numbers match the SAP/ RdSAP calculations? Yes No
- 22) Does the percentage of the measure installed match the SAP/ RdSAP calculations? Yes No
- 23) If less than 100% of the measure installed, does the reason match the reason provided to the supplier?
 Yes No unable to validate
- 24) Is there evidence that the installation and materials used comply with building regulations? Yes No

Carbon (Stage 3 only)

- 25) Does the draught proofing material comply with BS7386:1997? Yes No
- 26) Has the draught proofing been securely fixed leaving all doors and windows fully operational? Yes No
- 27) Have all windows and doors not previously treated in the premises now been treated, leaving all doors and windows fully operational? Yes No

Comments

Comments must be provided where a No, N/A or Not Known response is given.

References

- PAS2030-1012 Edition2 Annex B2 Draught proofing
- Energy Saving Trust CE83 Energy Efficient Refurbishment of Existing Dwellings

ECO Technical Monitoring
Electric Storage Heaters
Carbon Stage: 3 (post installation)

Compliance

- 1) Reference: _____
- 2) Installation date (*if known*): _____ Inspection date: _____ Date of remedial works (if applicable): _____
- 3) Date of handover (*if applicable*): _____
- 4) Technical monitoring inspector and company: _____
- 5) Measure: Pass Fail If fail, please provide question number(s): _____
- 6) If the supplier has claimed an associated measure, is it present at the property? Yes No Not Known
If yes, measure type: _____
- 7) Customer name: _____
- 8) Building name or number: _____ Street name: _____ Town: _____ Postcode: _____
- 9) Was the measure installed as part of construction of new dwelling/ extension, and is it to comply with building regulations?
 Yes No
- 10) If yes, does the SAP/ RdSAP calculation only calculate the part of the measure that exceeds building regulations?
 Yes No N/A
- 11) Does the floor area match the SAP/ RdSAP calculations? Yes No
- 12) Does the number of habitable rooms match the SAP/ RdSAP calculations? Yes No
- 13) Does the dwelling type match the SAP/ RdSAP calculations? Yes No
- 14) Does the roof type match the SAP/ RdSAP calculations? Yes No
- 15) Does the existing loft insulation match the SAP/ RdSAP calculations? Yes No
- 16) Does the wall type match the SAP/ RdSAP calculations? Yes No
- 17) Does the existing wall insulation match the SAP/ RdSAP calculations? Yes No
- 18) Does the main heating type match the SAP/ RdSAP calculations? Yes No
- 19) Does the primary fuel used for heating match the SAP/ RdSAP calculations? Yes No
- 20) Does the primary fuel used for hot water match the SAP/ RdSAP calculations? Yes No
- 21) Does the type of heating controls and numbers match the SAP/ RdSAP calculations? Yes No
- 22) Have storage heaters been installed in the rooms specified in the manufacturers/ system designers instructions and/or the pre-installation survey instructions? Yes No

Carbon (Stage 3 only)

- 23) Is there an Economy 7 or equivalent meter installed at the premises? Yes No
- 24) Are all storage heaters fitted with an automatic charge control? Yes No
- 25) Are all storage heaters fitted with a heat output control? Yes No
- 26) Where a direct acting convector heater is incorporated is it controlled by a thermostat? Yes No N/A

27) Is the fan on fan-assisted storage heaters controlled by a thermostat?

Yes No N/A

28) Does the householder confirm that they know how to use the controls?

Yes No

Comments

Comments must be provided where a No, N/A or Not Known response is given.

References

- PAS 2030:2012 Edition 2 Annex D1 Electric Storage Heaters
- Energy Saving Trust – Improving electric systems
- The Green Deal Directory – Electric Storage Heaters

ECO Technical Monitoring

External Wall Insulation

Carbon Stage: 1 (pre-installation/ preparatory works) 2 (mid-installation) 3 (post-installation)

Compliance

- 1) Reference: _____
- 2) Installation date (*if known*): _____ Inspection date: _____ Date of remedial works (if applicable): _____
- 3) Date of handover (*if applicable*): _____
- 4) Technical monitoring inspector and company: _____
- 5) Measure: Pass Fail If fail, please provide question number(s): _____
- 6) If the supplier has claimed an associated measure, is it present at the property? Yes No Not Known
If yes, measure type: _____
- 7) Customer name: _____
- 8) Building name or number: _____ Street name: _____ Town: _____ Postcode: _____
- 9) Was the measure installed as part of construction of new dwelling/ extension, and is it to comply with building regulations?
 Yes No
- 10) If yes, does the SAP/ RdSAP calculation only calculate the part of the measure that exceeds building regulations?
 Yes No N/A
- 11) Does the floor area match the SAP/ RdSAP calculations? Yes No
- 12) Does the number of habitable rooms match the SAP/ RdSAP calculations? Yes No
- 13) Does the dwelling type match the SAP/ RdSAP calculations? Yes No
- 14) Does the roof type match the SAP/ RdSAP calculations? Yes No
- 15) Does the existing loft insulation match the SAP/ RdSAP calculations? Yes No
- 16) Does the wall type match the SAP/ RdSAP calculations? Yes No
- 17) Does the existing wall insulation match the SAP/ RdSAP calculations? Yes No
- 18) Does the main heating type match the SAP/ RdSAP calculations? Yes No
- 19) Does the primary fuel used for heating match the SAP/ RdSAP calculations? Yes No
- 20) Does the primary fuel used for hot water match the SAP/ RdSAP calculations? Yes No
- 21) Does the type of heating controls and numbers match the SAP/ RdSAP calculations? Yes No
- 22) Does the percentage of the measure installed match the SAP/ RdSAP calculations? Yes No
- 23) If less than 100% of the measure installed, does the reason match the reason provided to the supplier?
 Yes No unable to validate
- 24) What is the insulation material used (*carbon stage 2 only*)?
 Expanded polystyrene and render
 Extruded polystyrene and render
 Mineral wool slab and render
 Urethane foam and render
 Other (please specify) _____
- 25) Has the pre-installation survey been completed correctly (*applicable to stage 1 and 2 carbon only*)?
 Yes No Not Known
- 26) Is there evidence that the installation and the materials used comply with building regulations? Yes No

Competency

- 27) Name of installation company: _____ Not known
- 28) Is there a carded operative at the site that meets the competency requirements for the measure being installed (*applicable to stage 2 carbon only*)? Yes No Not known
- 29) Is the measure/system being installed as specified in the project plan, which as a minimum must be as specified in the appropriate product certificate and/or System Designers Method Statement? Yes No

Carbon

Stage 1

- 30) What is the nature of the original wall? Cavity Solid
- 31) What is the thickness of the original wall? <220mm 220mm – 350mm >350mm
- 32) What is the construction of the original wall? Stone Block Brick Timber Frame
 Steel Frame Concrete
- 33) Has all preparatory work been completed as specified in the project plan? Yes No

Stage 2

- 34) Is the type of insulation being installed as specified within the project plan? Yes No
- 35) Is the thickness of insulation being installed as specified within the project plan? Yes No
- 36) Are insulation boards tightly butted together in a break bond pattern? Yes No
- 37) Are insulation boards cut at right angles to allow tight butting? Yes No
- 38) Are only full or half insulation boards fitted at corners in an interlocking pattern? Yes No
- 39) Are all insulation boards undamaged? Yes No
- 40) Have cavities within cavity walls been filled or closed off to prevent an air path behind the insulation board? Yes No N/A
- 41) Have gaps been sealed to prevent an air path between the insulation board and substrate? Yes No
- 42) Is the detailing of insulation boards around external fitments as specified in the project plan (*e.g. meter boxes*)? Yes No
- 43) Are the insulation boards bonded and/or anchored as specified in the project plan? Yes No

Stage 3

- 44) Where services have penetrated the insulation board have these been sealed appropriately? Yes No N/A
- 45) Has the finishing coat/cladding been applied as specified in the project plan and the installation water tight? Yes No

Comments

Comments must be provided where a No, N/A or Not Known response is given.

ECO Technical Monitoring

Flat Roof Insulation

Carbon Stage: 1 (pre-installation/ preparatory works) 2 (mid-installation) 3 (post-installation)

Compliance

- 1) Reference: _____
- 2) Installation date (*if known*): _____ Inspection date: _____ Date of remedial works (if applicable): _____
- 3) Date of handover (*if applicable*): _____
- 4) Technical monitoring inspector and company: _____
- 5) Measure: Pass Fail If fail, please provide question number(s): _____
- 6) If the supplier has claimed an associated measure, is it present at the property? Yes No Not Known
If yes, measure type: _____
- 7) Customer name: _____
- 8) Building name or number: _____ Street name: _____ Town: _____ Postcode: _____
- 9) Was the measure installed as part of construction of new dwelling/ extension, and is it to comply with building regulations?
 Yes No
- 10) If yes, does the SAP/ RdSAP calculation only calculate the part of the measure that exceeds building regulations?
 Yes No N/A
- 11) Does the floor area match the SAP/ RdSAP calculations? Yes No
- 12) Does the number of habitable rooms match the SAP/ RdSAP calculations? Yes No
- 13) Does the dwelling type match the SAP/ RdSAP calculations? Yes No
- 14) Does the roof type match the SAP/ RdSAP calculations? Yes No
- 15) Does the existing loft insulation match the SAP/ RdSAP calculations? Yes No
- 16) Does the wall type match the SAP/ RdSAP calculations? Yes No
- 17) Does the existing wall insulation match the SAP/ RdSAP calculations? Yes No
- 18) Does the main heating type match the SAP/ RdSAP calculations? Yes No
- 19) Does the primary fuel used for heating match the SAP/ RdSAP calculations? Yes No
- 20) Does the primary fuel used for hot water match the SAP/ RdSAP calculations? Yes No
- 21) Does the type of heating controls and numbers match the SAP/ RdSAP calculations? Yes No
- 22) Does the percentage of the measure installed match the SAP/ RdSAP calculations? Yes No
- 23) If less than 100% of the measure installed, does the reason match the reason provided to the supplier?
 Yes No unable to validate
- 24) Does the area of the flat roof that has been insulated match the SAP/ RdSAP calculations? Yes No
- 25) Does the thickness of the insulation installed match the SAP/ RdSAP calculations? Yes No unable to validate
- 26) What type of insulation has been used (*carbon stage 2 only*)?

<input type="checkbox"/> Polyurethane	<input type="checkbox"/> Expanded Polystyrene
<input type="checkbox"/> PIR	<input type="checkbox"/> Extruded Polystyrene
<input type="checkbox"/> Phenolic foam	<input type="checkbox"/> Wool / Fibre
<input type="checkbox"/> Other _____	
- 27) Has the pre-installation survey been completed correctly (*only applicable to stage 1 and 2 carbon*)?
 Yes No Not Known

28) Is there evidence that the installation and materials used comply with building regulations? Yes No

Competency

29) Name of installation company: _____ Not known

30) Is there a carded operative at the site that meets the competency requirements for the measure being installed? (*applicable to stage 2 carbon only*) Yes No N/A

31) Is the measure/system being installed as specified in the project plan, which as a minimum must be as specified in the appropriate product certificate and/or System Designers Method Statement? Yes No

Carbon

Carbon 1

32) What is the construction of the original roof deck? Concrete Timber Other _____

33) Has the existing wall been built up to the underside of the new insulated roof deck? Yes No N/A

Carbon 2

34) Is the type of insulation being installed as specified within the project plan? Yes No

35) Is the thickness of insulation being installed as specified within the project plan? Yes No

36) Are boards butted together with no gaps at abutments? Yes No

37) Has a 300mm insulation 'Up stand' been installed from the bottom surface of the horizontal layer around the perimeter of the roof on the internal façade of any parapet or penetrating service riser? Yes No N/A

38) Have existing cavity trays been raised and/or new ones provided at abutment of roof and wall? Yes No N/A
(*cavity wall only*)

Carbon 3

39) Has a waterproof membrane been applied over the whole of the insulated area, including 'Up Stands' after the laying of the insulation board? Yes No

Comments

Comments must be provided where a No, N/A or Not Known response is given.

References

- PAS 2030:2012 Edition 2 Annex B5 Flat Roof Insulation
- Kingspan Insulation – Domestic Refurbishment March 2012
- Celotex Insulation – The Celotex Handy Guide September 2011
- Part L1B of the Building Regulations in England and Wales
- Section 6 of the Domestic Handbook of the Building Regulations in Scotland

Compliance

- 1) Reference: _____
- 2) Installation date (*if known*): _____ Inspection date: _____ Date of remedial works (if applicable): _____
- 3) Date of handover (*if applicable*): _____
- 4) Technical monitoring inspector and company: _____
- 5) Measure: Pass Fail If fail, please provide question number(s): _____
- 6) If the supplier has claimed an associated measure, is it present at the property? Yes No Not Known
If yes, measure type: _____
- 7) Customer name: _____
- 8) Building name or number: _____ Street name: _____ Town: _____ Postcode: _____
- 9) Was the measure installed as part of construction of new dwelling/ extension, and is it to comply with building regulations?
 Yes No
- 10) If yes, does the SAP/ RdSAP calculation only calculate the part of the measure that exceeds building regulations?
 Yes No N/A
- 11) Does the floor area match the SAP/ RdSAP calculations? Yes No
- 12) Does the number of habitable rooms match the SAP/ RdSAP calculations? Yes No
- 13) Does the dwelling type match the SAP/ RdSAP calculations? Yes No
- 14) Does the roof type match the SAP/ RdSAP calculations? Yes No
- 15) Does the existing loft insulation match the SAP/ RdSAP calculations? Yes No
- 16) Does the wall type match the SAP/ RdSAP calculations? Yes No
- 17) Does the existing wall insulation match the SAP/ RdSAP calculations? Yes No
- 18) Does the main heating type match the SAP/ RdSAP calculations? Yes No
- 19) Does the primary fuel used for heating match the SAP/ RdSAP calculations? Yes No
- 20) Does the primary fuel used for hot water match the SAP/ RdSAP calculations? Yes No
- 21) Does the type of heating controls and numbers match the SAP/ RdSAP calculations? Yes No
- 22) Does the percentage of the measure installed match the SAP/ RdSAP calculations? Yes No
- 23) If less than 100% of the measure installed, does the reason match the reason provided to the supplier?
 Yes No unable to validate
- 24) Does the area of windows and doors that have been replaced match the SAP/ RdSAP calculations? Yes No
- 25) Have the frames of the windows and doors also been replaced? Yes No
- 26) Is there evidence that the installation and materials used comply with building regulations? Yes No

Carbon

27) What is the form of the glazing units? secondary double triple

28) Have all windows and doors in the premises that haven't been treated before now been treated? Yes No

Comments

Comments must be provided where a No, N/A or Not Known response is given.

References

PAS 2030:2012 Edition 2 Annex B3 Energy efficient glazing and doors

ECO Technical Monitoring
Hard to Treat Cavity Wall Insulation
Carbon Stage: 2 (mid-installation) 3 (post installation)

Compliance

- 1) Reference: _____
- 2) Installation date (*if known*): _____ Inspection date: _____ Date of remedial works (if applicable): _____
- 3) Date of handover (*if applicable*): _____
- 4) Technical monitoring inspector and company: _____
- 5) Measure: Pass Fail If fail, please provide question number(s): _____
- 6) If the supplier has claimed an associated measure, is it present at the property? Yes No Not Known
If yes, measure type: _____
- 7) Customer name: _____
- 8) Building name or number: _____ Street name: _____ Town: _____ Postcode: _____
- 9) Was the measure installed as part of construction of new dwelling/ extension, and is it to comply with building regulations?
 Yes No
- 10) If yes, does the SAP/ RdSAP calculation only calculate the part of the measure that exceeds building regulations?
 Yes No N/A
- 11) Does the floor area match the SAP/ RdSAP calculations? Yes No
- 12) Does the number of habitable rooms match the SAP/ RdSAP calculations? Yes No
- 13) Does the dwelling type match the SAP/ RdSAP calculations? Yes No
- 14) Does the roof type match the SAP/ RdSAP calculations? Yes No
- 15) Does the existing loft insulation match the SAP/ RdSAP calculations? Yes No
- 16) Does the wall type match the SAP/ RdSAP calculations? Yes No
- 17) Does the existing wall insulation match the SAP/ RdSAP calculations? Yes No
- 18) Does the main heating type match the SAP/ RdSAP calculations? Yes No
- 19) Does the primary fuel used for heating match the SAP/ RdSAP calculations? Yes No
- 20) Does the primary fuel used for hot water match the SAP/ RdSAP calculations? Yes No
- 21) Does the type of heating controls and numbers match the SAP/ RdSAP calculations? Yes No
- 22) Does the percentage of the measure installed match the SAP/ RdSAP calculations? Yes No
- 23) If less than 100% of the measure installed, does the reason match the reason provided to the supplier?
 Yes No unable to validate
- 24) Is the cavity hard to treat, as defined by the ECO guidance? Yes No

- 25) Type of Cavity: Standard
 Sub 50mm If yes, what is the width of the cavity? (*stage 2 carbon only*) _____
 3-storey + If yes, confirm number of storeys _____
 Substantial remedial work required
If yes, do the remedial works match that stated in the chartered surveyor report (*stage 2 carbon only*) Yes No
 Metal frame
 Prefabricated Concrete
 Random Stone /Uneven Cavity
 Unsuitable to insulate with standard insulation materials or techniques
- 26) Has the hard to treat cavity wall been treated with a cavity wall insulation or a solid wall insulation solution?
 Cavity wall insulation Internal wall insulation External wall insulation
- 27) Has the pre-installation survey been completed correctly (*Only applicable to carbon stage 2*)?
 Yes No Not Known
- 28) Is there evidence that the installation and materials used comply with building regulations? Yes No

Competency

- 29) Name of installation company: _____ Not Known
- 30) Is there a carded operative at the site that meets the competency requirements for the measure being installed? (*Only applicable to carbon stage 2*) Yes No Not Known
- 31) Has the measure/ system been installed as specified in the project plan, which as a minimum must be as specified in the appropriate product certificate and/or System Designers Method Statement? Yes No

Carbon (Stage 2 and 3 only) HTTC with cavity wall insulation solution

- 32) Material used/ to be used: Mineral wool Grey Bead White Bead Foam Other _____
- 33) Is the insulation material suitable for use with the property's exposure level to wind driven rain? Yes No
- 34) Is the form of construction and condition of the property suitable for the material being installed? Yes No
- 35) Does the drilling pattern ensure an even distribution of material, and conform to the appropriate materials compliance certificate? (*stage 3 carbon only*) Yes No
- 36) Have all injection holes been made good (*stage 3 carbon only*)? Yes No
- 37) Are cavity brushes fitted where required? Yes No N/A

Carbon (Stage 2 and 3 only) HTTC with external solid wall insulation solution

Stage 2

- 38) Is the type of insulation being installed as specified within the project plan? Yes No
- 39) Is the thickness of insulation being installed as specified within the project plan? Yes No
- 40) Are insulation boards tightly butted together in a break bond pattern? Yes No
- 41) Are insulation boards cut at right angles to allow tight butting? Yes No
- 42) Are only full or half insulation boards fitted at corners in an interlocking pattern? Yes No
- 43) Are all insulation boards undamaged? Yes No
- 44) Have cavities within cavity walls been filled or closed off to prevent an air path behind the insulation board?
 Yes No
- 45) Have gaps been sealed to prevent an air path between the insulation board and substrate? Yes No
- 46) Is the detailing of insulation boards around external fittings as specified in the project plan
(*e.g. meter boxes*) Yes No
- 47) Are the insulation boards bonded and/or anchored as specified in the project plan? Yes No

Stage 3

- 48) Where services have penetrated the insulation board have these been sealed appropriately? Yes No N/A
- 49) Has the finishing coat/cladding been applied as specified in the project plan and the installation water tight?
 Yes No

Carbon (Stage 2 and 3 only) HTTC with internal solid wall insulation solution**Carbon 2**

- 50) Is the type of insulation being installed as specified within the project plan? Yes No
- 51) Is the thickness of insulation being installed as specified within the project plan? Yes No
- 52) Has the full thickness of the insulation been installed to all available areas? Yes No
- 53) Have all gaps behind the new insulation been sealed to prevent the circulation of cold air if applicable?
 Yes No N/A

Carbon 3

- 54) Is the insulation sealed around all adjoining boards, walls, ceilings and floors? Yes No
- 55) Is the insulation continued 400mm along all party and solid partition walls? Yes No
- 56) Has the insulation been continued into the inter floor void? Yes No
- 57) Where services have penetrated the vapour control layer have these been sealed appropriately? Yes No
- 58) If the insulation is suspended timber, is the insulated dry lining bedded on a strip of pre-compressed expanding foam nailed to the floor? Yes No

Comments

Comments must be provided where a No, N/A or Not Known response is given.

ECO Technical Monitoring
Hot Water Cylinder Insulation
Carbon Stage: 3 (post-installation)

Compliance

- 1) Reference: _____
- 2) Installation date (*if known*): _____ Inspection date: _____ Date of remedial works (if applicable): _____
- 3) Date of handover (*if applicable*): _____
- 4) Technical monitoring inspector and company: _____
- 5) Measure: Pass Fail If fail, please provide question number(s): _____
- 6) If the supplier has claimed an associated measure, is it present at the property? Yes No Not Known
If yes, measure type: _____
- 7) Customer name: _____
- 8) Building name or number: _____ Street name: _____ Town: _____ Postcode: _____
- 9) Was the measure installed as part of construction of new dwelling/ extension, and is it to comply with building regulations?
 Yes No
- 10) If yes, does the SAP/ RdSAP calculation only calculate the part of the measure that exceeds building regulations?
 Yes No N/A
- 11) Does the floor area match the SAP/ RdSAP calculations? Yes No
- 12) Does the number of habitable rooms match the SAP/ RdSAP calculations? Yes No
- 13) Does the dwelling type match the SAP/ RdSAP calculations? Yes No
- 14) Does the roof type match the SAP/ RdSAP calculations? Yes No
- 15) Does the existing loft insulation match the SAP/ RdSAP calculations? Yes No
- 16) Does the wall type match the SAP/ RdSAP calculations? Yes No
- 17) Does the existing wall insulation match the SAP/ RdSAP calculations? Yes No
- 18) Does the main heating type match the SAP/ RdSAP calculations? Yes No
- 19) Does the primary fuel used for heating match the SAP/ RdSAP calculations? Yes No
- 20) Does the primary fuel used for hot water match the SAP/ RdSAP calculations? Yes No
- 21) Does the type of heating controls and numbers match the SAP/ RdSAP calculations? Yes No
- 22) Is there evidence that the installation and materials used comply with building regulations? Yes No

Carbon (stage 3 only)

- 23) Does the hot water cylinder insulation jacket comply with BS5615:1985? Yes No
- 24) Has the insulating jacket been securely fixed to the cylinder? Yes No
- 25) Are all parts of the cylinder covered by the insulating jacket without gaps? Yes No
- 26) Have required hot water pipes been insulated in accordance with DCLG 'Domestic Building Services Compliance guide'?
 Yes No

Comments

Comments must be provided where a No, N/A or Not Known response is given.

References

- PAS 2030:2012 Edition 2 Annex C5 Heating System Insulation (ducting pipes and cylinders)
- DCLG - Domestic Building Services Compliance guide

ECO Technical Monitoring

Internal Wall Insulation

Carbon Stage: 1 (pre-installation/ preparatory works) 2 (mid-installation) 3 (post-installation)

Compliance

- 1) Reference: _____
- 2) Installation date (*if known*): _____ Inspection date: _____ Date of remedial works (if applicable): _____
- 3) Date of handover (*if applicable*): _____
- 4) Technical monitoring inspector and company: _____
- 5) Measure: Pass Fail If fail, please provide question number(s): _____
- 6) If the supplier has claimed an associated measure, is it present at the property? Yes No Not Known
If yes, measure type: _____
- 7) Customer name: _____
- 8) Building name or number: _____ Street name: _____ Town: _____ Postcode: _____
- 9) Was the measure installed as part of construction of new dwelling/ extension, and is it to comply with building regulations?
 Yes No
- 10) If yes, does the SAP/ RdSAP calculation only calculate the part of the measure that exceeds building regulations?
 Yes No N/A
- 11) Does the floor area match the SAP/ RdSAP calculations? Yes No
- 12) Does the number of habitable rooms match the SAP/ RdSAP calculations? Yes No
- 13) Does the dwelling type match the SAP/ RdSAP calculations? Yes No
- 14) Does the roof type match the SAP/ RdSAP calculations? Yes No
- 15) Does the existing loft insulation match the SAP/ RdSAP calculations? Yes No
- 16) Does the wall type match the SAP/ RdSAP calculations? Yes No
- 17) Does the existing wall insulation match the SAP/ RdSAP calculations? Yes No
- 18) Does the main heating type match the SAP/ RdSAP calculations? Yes No
- 19) Does the primary fuel used for heating match the SAP/ RdSAP calculations? Yes No
- 20) Does the primary fuel used for hot water match the SAP/ RdSAP calculations? Yes No
- 21) Does the type of heating controls and numbers match the SAP/ RdSAP calculations? Yes No
- 22) Does the percentage of the measure installed match the SAP/ RdSAP calculations? Yes No
- 23) If less than 100% of the measure installed, does the reason match the reason provided to the supplier?
 Yes No unable to validate
- 24) Does the thickness of the insulation installed/ to be installed match the SAP/ RdSAP calculations?
 Yes No unable to establish
- 25) Does the material of the insulation installed/ to be installed match the SAP/ RdSAP calculations?
 Yes No unable to establish
- 26) Has the pre-installation survey been completed correctly (*only applicable to stage 1 and 2 carbon*)?
 Yes No Not Known
- 27) Is there evidence that the installation and materials used comply with building regulations? Yes No

Competency

- 28) Name of installation company: _____ Not Known
- 29) Is there a carded operative at the site that meets the competency requirements for the measure being installed (*applicable to stage 2 carbon only*)? Yes No N/A
- 30) Is the measure/system being installed as specified in the project plan, which as a minimum must be as specified in the appropriate product certificate and/or System Designers Method Statement? Yes No

Carbon

Stage 1

- 31) What is the nature of the original wall? Cavity Solid
- 32) What is the thickness of the original wall? <220mm 220mm – 350mm >350mm
- 33) What is the construction of the original wall? Stone Block Brick Timber Frame
 Steel Frame Concrete
- 34) Has all preparatory work been completed as specified in the project plan? Yes No

Carbon 2

- 35) Is the type of insulation being installed as specified within the project plan? Yes No
- 36) Is the thickness of insulation being installed as specified within the project plan? Yes No
- 37) Has the full thickness of the insulation been installed to all available areas? Yes No
- 38) Have all gaps behind the new insulation been sealed to prevent the circulation of cold air if applicable?
 Yes No N/A
- 39) Has the insulation been continued into the inter floor void?
 Yes No N/A
- 40) Where services have penetrated the vapour control layer have these been sealed appropriately? Yes No
- 41) If the floor is suspended timber, is the insulated dry lining bedded on a strip of pre-compressed expanding foam nailed to the floor? Yes No

Carbon 3

- 42) Is the insulation sealed around all adjoining boards, walls, ceilings and floors? Yes No
- 43) Is the insulation continued 400mm along all party and solid partition walls? Yes No

Comments

Comments must be provided where a No, N/A or Not Known response is given.

References

- PAS 2030:2012 Edition 2 Annex B8 Internal Wall Insulation
- Energy Saving Trust – Internal wall insulation in existing housing – a guide for specifiers and contractors
- CITB – A trainer resource manual for insulation and building treatments – Introduction to internal wall insulation
- British Gypsum – Guide to domestic building renovations

ECO Technical Monitoring
Loft Insulation
Carbon Stage: 3 (post-installation)

Compliance

- 1) Reference: _____
- 2) Installation date (*if known*): _____ Inspection date: _____ Date of remedial works (if applicable): _____
- 3) Date of handover (*if applicable*): _____
- 4) Technical monitoring inspector and company: _____
- 5) Measure: Pass Fail If fail, please provide question number(s): _____
- 6) If the supplier has claimed an associated measure, is it present at the property? Yes No Not Known
If yes, measure type: _____
- 7) Customer name: _____
- 8) Building name or number: _____ Street name: _____ Town: _____ Postcode: _____
- 9) Was the measure installed as part of construction of new dwelling/ extension, and is it to comply with building regulations?
 Yes No
- 10) If yes, does the SAP/ RdSAP calculation only calculate the part of the measure that exceeds building regulations?
 Yes No N/A
- 11) Does the floor area match the SAP/ RdSAP calculations? Yes No
- 12) Does the number of habitable rooms match the SAP/ RdSAP calculations? Yes No
- 13) Does the dwelling type match the SAP/ RdSAP calculations? Yes No
- 14) Does the roof type match the SAP/ RdSAP calculations? Yes No
- 15) Does the existing loft insulation match the SAP/ RdSAP calculations? Yes No
- 16) Does the wall type match the SAP/ RdSAP calculations? Yes No
- 17) Does the existing wall insulation match the SAP/ RdSAP calculations? Yes No
- 18) Does the main heating type match the SAP/ RdSAP calculations? Yes No
- 19) Does the primary fuel used for heating match the SAP/ RdSAP calculations? Yes No
- 20) Does the primary fuel used for hot water match the SAP/ RdSAP calculations? Yes No
- 21) Does the type of heating controls and numbers match the SAP/ RdSAP calculations? Yes No
- 22) Does the percentage of the measure installed match the SAP/ RdSAP calculations? Yes No
- 23) If less than 100% of the measure installed, does the reason match the reason provided to the supplier?
 Yes No unable to validate
- 24) Is there evidence that the installation and materials used comply with building regulations? Yes No

Carbon (stage 3 only)

- 25) Thickness of original material (mm)? 0 25 50 70 100 150
- 26) Thickness of material added (mm)? 100 150 170 200 250 270
- 27) Total thickness of loft insulation (mm)? 250 270 Other (please specify) _____

- 28) Is the type of insulation installed as specified within the project plan? Yes No
- 29) Is the thickness of insulation installed as specified within the project plan? Yes No
- 30) Has insulation been close butted? Yes No
- 31) Has insulation been cross laid to prevent cold bridging? Yes No
- 32) Has the loft hatch been properly insulated as specified in PAS 2030:2012? Yes No N/A
- 33) Has the loft hatch been properly draught proofed as specified in PAS 2030:2012? Yes No N/A
- 34) Where down lighters have been fitted through the existing ceiling, have any measures been taken to prevent air leakage around down lights into roof void? Yes No N/A

Comments

Comments must be provided where a No, N/A or Not Known response is given.

References

- PAS 2030:2012 Edition 2 Annex B9 Loft Insulation
- CITB General requirements & guidance for the installation of loft insulation

ECO Technical Monitoring
Room in the Roof
Carbon Stage: 2 (mid-installation) 3 (post-installation)

Compliance

- 1) Reference: _____
- 2) Installation date (*if known*): _____ Inspection date: _____ Date of remedial works (if applicable): _____
- 3) Date of handover (*if applicable*): _____
- 4) Technical monitoring inspector and company: _____
- 5) Measure: Pass Fail If fail, please provide question number(s): _____
- 6) If the supplier has claimed an associated measure, is it present at the property? Yes No Not Known
If yes, measure type: _____
- 7) Customer name: _____
- 8) Building name or number: _____ Street name: _____ Town: _____ Postcode: _____
- 9) Was the measure installed as part of construction of new dwelling/ extension, and is it to comply with building regulations?
 Yes No
- 10) If yes, does the SAP/ RdSAP calculation only calculate the part of the measure that exceeds building regulations?
 Yes No N/A
- 11) Does the floor area match the SAP/ RdSAP calculations? Yes No
- 12) Does the number of habitable rooms match the SAP/ RdSAP calculations? Yes No
- 13) Does the dwelling type match the SAP/ RdSAP calculations? Yes No
- 14) Does the roof type match the SAP/ RdSAP calculations? Yes No
- 15) Does the existing loft insulation match the SAP/ RdSAP calculations? Yes No
- 16) Does the wall type match the SAP/ RdSAP calculations? Yes No
- 17) Does the existing wall insulation match the SAP/ RdSAP calculations? Yes No
- 18) Does the main heating type match the SAP/ RdSAP calculations? Yes No
- 19) Does the primary fuel used for heating match the SAP/ RdSAP calculations? Yes No
- 20) Does the primary fuel used for hot water match the SAP/ RdSAP calculations? Yes No
- 21) Does the type of heating controls and numbers match the SAP/ RdSAP calculations? Yes No
- 22) Does the percentage of the measure installed match the SAP/ RdSAP calculations? Yes No
- 23) If less than 100% of the measure installed, does the reason match the reason provided to the supplier?
 Yes No unable to validate
- 24) What insulation has been used (*carbon stage 2 only*)?
 Polyurethane Expanded Polystyrene
 PIR Extruded Polystyrene
 Phenolic Foam Wool / Fibre
 Other _____
- 25) Thickness of insulation installed (*carbon stage 2 only*)? _____mm N/A
- 26) Is this a room in roof as defined as SAP/ RdSAP? Yes No

27) Has the pre-installation survey been completed correctly (*only applicable to stage 2 carbon only*)?
 Yes No Not Known

28) Is there evidence that the installation and materials used comply with building regulations? Yes No

Competency

29) Name of installation company : _____ Not Known

30) Is there a carded operative at the site that meets the competency requirements for the measure being installed? (*applicable to carbon stage 2 only*) Yes No N/A

31) Is the measure/system installed as specified in the project plan, which as a minimum must be as specified in the appropriate product certificate and/or System Designers Method Statement? Yes No

Carbon (Stage 2 or Stage 3)

32) Is the type of insulation being installed as specified within the project plan? Yes No

33) Is the thickness of insulation being installed as specified within the project plan? Yes No

34) Has insulation been installed to all stud walls within the room in the roof? Yes No

35) Has insulation been installed to all sloping ceilings within the room in the roof? Yes No

36) Has insulation been installed to the ceiling within the room in the roof? Yes No

37) Has insulation been installed to those areas external to the room in the roof, but within the roof space?
 Yes No N/A

38) Where down lighters have been fitted through the existing ceiling, have any measures been taken to prevent air leakage around down lights into roof void? Yes No N/A

Comments

Comments must be provided where a No, N/A or Not Known response is given.

References

PAS 2030:2012 Edition 2 Annex B10 Pitched Roof Insulation

ECO Technical Monitoring

Under Floor Insulation

Carbon Stage: 1 (pre-installation/ preparatory works) 2 (mid-installation) 3 (post-installation)

Compliance

- 1) Reference: _____
- 2) Installation date (*if known*): _____ Inspection date: _____ Date of remedial works (if applicable): _____
- 3) Date of handover (*if applicable*): _____
- 4) Technical monitoring inspector and company: _____
- 5) Measure: Pass Fail If fail, please provide question number(s): _____
- 6) If the supplier has claimed an associated measure, is it present at the property? Yes No Not Known
If yes, measure type: _____
- 7) Customer name: _____
- 8) Building name or number: _____ Street name: _____ Town: _____ Postcode: _____
- 9) Was the measure installed as part of construction of new dwelling/ extension, and is it to comply with building regulations?
 Yes No
- 10) If yes, does the SAP/ RdSAP calculation only calculate the part of the measure that exceeds building regulations?
 Yes No N/A
- 11) Does the floor area match the SAP/ RdSAP calculations? Yes No
- 12) Does the number of habitable rooms match the SAP/ RdSAP calculations? Yes No
- 13) Does the dwelling type match the SAP/ RdSAP calculations? Yes No
- 14) Does the roof type match the SAP/ RdSAP calculations? Yes No
- 15) Does the existing loft insulation match the SAP/ RdSAP calculations? Yes No
- 16) Does the wall type match the SAP/ RdSAP calculations? Yes No
- 17) Does the existing wall insulation match the SAP/ RdSAP calculations? Yes No
- 18) Does the main heating type match the SAP/ RdSAP calculations? Yes No
- 19) Does the primary fuel used for heating match the SAP/ RdSAP calculations? Yes No
- 20) Does the primary fuel used for hot water match the SAP/ RdSAP calculations? Yes No
- 21) Does the type of heating controls and numbers match the SAP/ RdSAP calculations? Yes No
- 22) Does the percentage of the measure installed match the SAP/ RdSAP calculations? Yes No
- 23) If less than 100% of the measure installed, does the reason match the reason provided to the supplier?
 Yes No unable to validate
- 24) Does the area of the floor that has been insulated/ to be insulated match the SAP/ RdSAP calculations? Yes No
- 25) Does the thickness of the insulation installed/ to be insulated match the SAP/ RdSAP calculations?
 Yes No unable to establish
- 26) What type of insulation has been used (*carbon stage 2 only*)?

<input type="checkbox"/> Polyurethane	<input type="checkbox"/> Expanded Polystyrene
<input type="checkbox"/> PIR	<input type="checkbox"/> Extruded Polystyrene
<input type="checkbox"/> Phenolic foam	<input type="checkbox"/> Wool/ Fibre
<input type="checkbox"/> Other _____	

- 27) Has the pre-installation survey been completed correctly (*only applicable to stage 1 and 2 carbon*)?
 Yes No Not Known
- 28) Is there evidence that the installation and materials used comply with building regulations? Yes No

Competency

- 29) Name of installation company: _____ Not Known
- 30) Is there a carded operative at the site that meets the competency requirements for the measure being installed (*applicable to carbon stage 2 only*)? Yes No N/A
- 31) Is the measure/system being installed as specified in the project plan, which as a minimum must be as specified in the appropriate product certificate and/or System Designers Method Statement? Yes No

Carbon (Stage 1, 2, 3)

Stage 1

- 32) What is the construction of the floor? Suspended Timber Suspended Beam and Block
 Solid Concrete Other _____
- 33) Has all preparatory work been completed as specified in the project plan? Yes No

Stage 2

- 34) Is the type of insulation being installed as specified within the project plan? Yes No
- 35) Is the thickness of insulation being installed as specified within the project plan? Yes No
- 36) Has insulation been close butted and laid in a break bond pattern on solid concrete floors? Yes No N/A
- 37) Has the insulation been tightly fixed between joists to avoid gaps? Yes No N/A
- 38) Has the insulation been tightly fixed to the underside of the floor to avoid gaps? Yes No N/A
- 39) Has insulation been installed in the gap between the last joist and external walls? Yes No N/A
- 40) Has insulation been applied to radiator pipe work below the insulation? Yes No N/A
- 41) Has insulation been supported in accordance with the manufacturers guidance? Yes No

Stage 3

- 42) Have all gaps at floor edges been sealed adequately? Yes No
- 43) Have all gaps in the floor around service penetrations been sealed? Yes No N/A

Comments

Comments must be provided where a No, N/A or Not Known response is given.

References

- PAS 2030:2012 Edition 2 Annex B6 Floor Insulation
- Energy Saving Trust – Energy Efficient Refurbishment of Existing Housing CE83: 2007 Edition
- Kingspan Thermafloor TF70 Insulation for solid concrete and suspended floors