

# Technical Bulletin

## May 2015

### Welcome to the ecmk quarterly Technical Bulletin

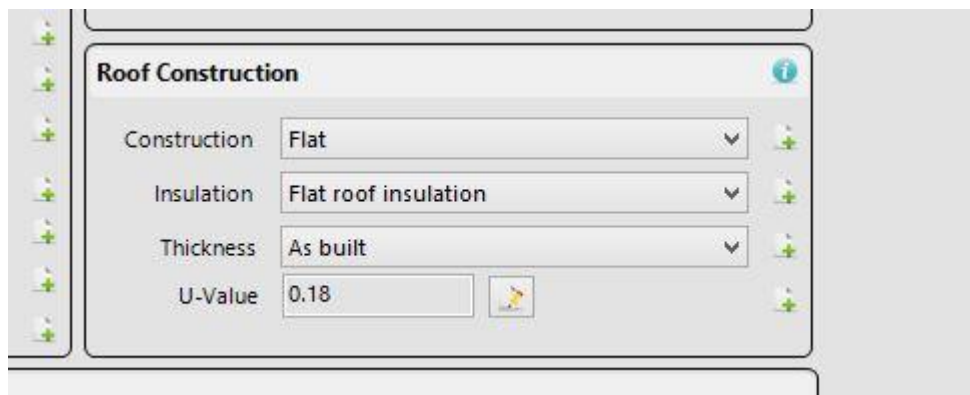
This month we have covered a few issues that have arisen from calls into our technical helpdesk and also from audit feedback. We always welcome feedback from our Assessors, so please do let us know if you require clarification or require us to cover an issue in future updates. You can email us at: [info@ecmk.co.uk](mailto:info@ecmk.co.uk)

Many thanks and enjoy the bulletin.

Stephen Farrow  
Scheme Manager

### Flat Roof Insulation 'As built'

You are now able to enter 'As built' into the software for flat roof insulation. In order to do this you must chose Flat Roof Insulation (not unknown) then the thickness can be entered as 'As built'. Below is a screenshot showing the entry for a 2012 onwards flat roofed extension, the U-value is populated from the SAP tables automatically. Please use this option as using 'Unknown' will suppress the recommendation and lead to an audit fail.



## Programmable Room Thermostats

A programmable room stat is able to adjust the room temperature according to the day of the week and the time of day. We need to check that both temperature and time is possible on these controls. For example Drayton do a number of programmable room stats, the Digistat is a popular choice for many households, however the Digistat comes in various models, the Digistat +, the Digistat +RF, the Digistat +1, the Digistat +1RF are all room stats ONLY. Please refer to the photos below.

Other models include Digistat +2, Digistat +3RF etc and these include the facility of a programmer. We must ensure that a clear photograph is taken and the model number is visible. For more information please visit [www.draytoncontrols.co.uk](http://www.draytoncontrols.co.uk) and other manufacturer's websites.

### Programmer and Room Thermostat

### Room thermostat only

Note the days of the week at the top of the programmer



## Evidence requirements

It is imperative to know what is required for photographs in order to ensure your audits pass. The Scheme Operating Requirements contain a chart showing minimum evidence on pages 46-47. Please ensure you are fully conversant with this chart as it explains clearly what is required. The SOR's are available on our website <http://www.ecmk.co.uk/downloads/>, all the SOR's are there for different strands.

As per the DCLG guidance 2.1.2

*'Shall be assessed by a Scheme Quality Assurance Assessor (QAA), shall be evidence based, and the quality and availability of the evidence used by the Scheme shall be such that the QAA's assessment can be replicated by DCLG.'*

If this evidence is not of sufficient quality or there is missing evidence (for example missing or out of focus photos) then the assessment will be marked as 'Fail' as the QAA will not be able to replicate the assessment.

If the missing evidence results in the EPC out of tolerance in SAP ratings or description, then this assessment will be requested to be replaced.

It is also recommended assessors read and understand section 3 of the SOR's EVIDENCE REQUIREMENTS ASSOCIATED WITH EPC AUDITS.

## Non-Domestic technical update

### Convention 4.05 Roofs with multiple components

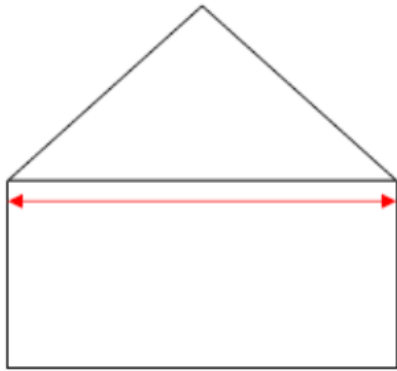
From 21 January 2013 a new convention has now been implemented to access and enter the pitch and orientation of pitched roofs where there is no internal ceiling within the building. The convention is:

'Where the external roof of a zone or an individual component has a horizontal internal ceiling, the roof shall be entered as having a horizontal orientation and the area of the roof shall be the total horizontal internal surface area exposed to the conditioned space. The roof pitch angle shall be entered as the SBEM default of 45 degrees. See 'Roofs with Multiple Components 10.06: Horizontal internal ceiling (Examples 1 and 2)'.

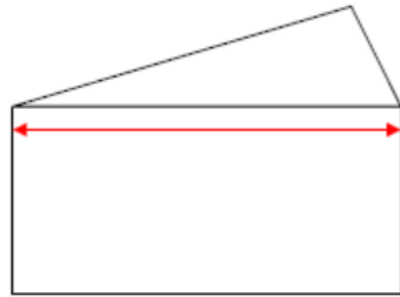
'Where a horizontal internal ceiling is not present, the roof area shall be that of the internal surface area exposed to the conditioned space and the orientation shall be the compass position that is 'faced' by the pitched component. The pitch angle shall be the angle of the component to the horizontal. See 'Roofs with Multiple Components 10.06: No horizontal internal ceiling'.

'Where a roof structure is constructed of a number of pitched components then each shall be addressed individually and entered as separate components as part of the model, however if individual components have exactly the same set of properties they can be entered as one envelope comprising of the sum area of the components. See 'Roofs with Multiple Components 10.06: Roof structure with number of pitched components'.

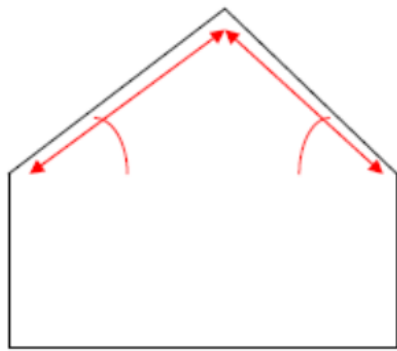
## Roofs with Multiple Components



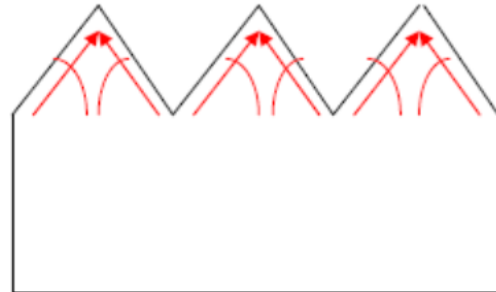
Horizontal internal ceiling (Example 1)



Horizontal internal ceiling (Example 2)

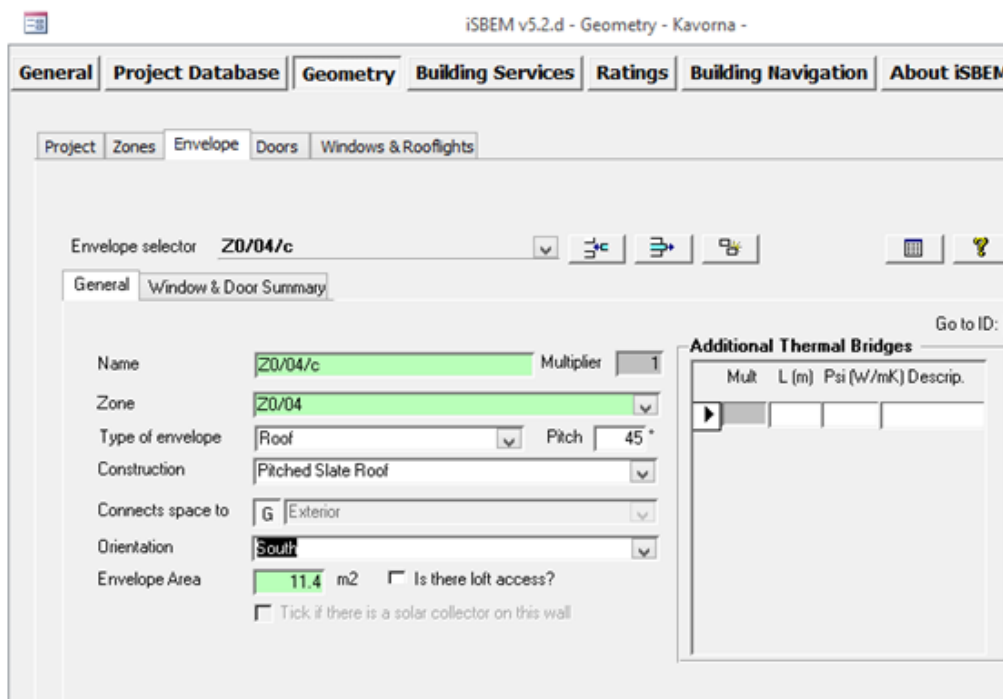


No horizontal internal ceiling



Roof structure with number of pitched components

To enter into iSBEM please refer to the screen shot below:



## PCDF and Heating Controls

Please ensure you keep an eye on the PCDF database for new additions. The controls section on PCDF now has 2 Ideal products which are current, the PRT3 & the PRT4. Using PCDF is more accurate than SAP tables as the manufacturers will have the exact efficiencies. Screenshot showing the information on PCDF for the PRT3 is shown.

Heating Controls			
Boiler ID		Model Name	PRT3
Brand Name	Ideal	Model Number	
Fuel Type	Gas	SAP 2005 Efficiency	
First Year	2014	Manufacturer	Ideal Boilers
Final Year	current	Reference	020099
Controller type	1	Heating System Category	2
Fuel	1	Heat Generator Ctrl	0020
Efficiency adjustment	3.0	Hours Heating Off	
Delayed Start	2		



(Screen shot of units)

## Landmark Downtime

Landmark is carrying out Infrastructure Maintenance to the EPC Register network on Sunday 3rd May between 09-00 -12.00, during this time the following websites and their associated services will be unavailable

- <https://www.epcregister.com/>
- <https://www.epbniregister.com/>  
<https://www.ndepcregister.com/>  
<https://www.epbniregisternd.com/>

## Upcoming Training and CPD during May

Course	Date	Cost (+ VAT)
Cert DEA	5 – 7 <sup>th</sup> May	£995
Understanding Audits - CPD	5 <sup>th</sup> May	£30 members / £50 non-members
Party & Alternative Walls – CPD Webinar	8 <sup>th</sup> May	£15 members / £20 non-members
ESOS Lead Assessor	11 – 13 <sup>th</sup> May	£1,350
Secondary Heating – CPD Webinar	15 <sup>th</sup> May	£15 members / £20 non-members
Introduction to DesignBuilder – FREE CPD	20 <sup>th</sup> May	FREE
Rooms in the roof – CPD Webinar	22 <sup>nd</sup> May	£15 members / £20 non-members
Advanced RdSAP – CPD	28 <sup>th</sup> May	£30 members / £50 non-members

All courses will take place at our offices in Solihull B90 4SS.

If you are looking for something more bespoke, we can deliver courses nationwide.

For further information, more course dates beyond May and to book your place:

Email: [training@ecmk.co.uk](mailto:training@ecmk.co.uk) or Visit: [www.ecmk.co.uk/training](http://www.ecmk.co.uk/training)