



Meeting: INCA Technical Committee
Date: 6 June 2019
Time: 10:30 – 12:30
Location: Sto
700 Catesby Business Park
Kings Norton
Birmingham B38 8SE
Chairman: Julian Taylor
Paper: Minutes

Attendees

Julian	Taylor	Chairman	Mark	Robinson	Alsecco
Steve	Baker	Complete Rendering Solutions	Kevin	Mangan	SPSenvirowall
Stuart	Sadler	Dryvit	Kevin	Davis	Sto
Dan	Ball	Kingspan	Simon	Morgan	Wemico
Mark	Newell	Ejot UK	Joe	Ragdale	Wetherby
Paul	Banks	S and B EPS			

1. Welcome and Apologies

The Chairman welcomed everyone to the meeting.

Apologies Mitch Gee SPSenvirowall

2. Minutes of the Last Meeting held on and Matters Arising

The minutes of the last meeting held on 5th February 2019 were approved and signed by the Chairman.

There were no matters arising.

3. BBA

a) Changes to the BBA wording relating to structural stability of substrate

Suggested wording for System Designers to add to their specification to provide protection against the added design responsibilities to be sent to BBA for their ratification.

This was done and the following words were ratified by the BBA

Acme Ltd will undertake fixing pull out tests and undertake a wind loading assessment in accordance with the BS EN 1991-1-4: 2005 or alternatively if wind loadings are supplied by a third party engineer Acme will use these wind loads to verify the adequacy of the fixing design.

Acme will also provide information of the system dead weights to allow an independent check of the existing substrate wall by the clients engineer.

In order to satisfy the requirements of clause 7.2 we hereby inform the client that under the Building Regulations Part A there is an obligation placed on them such that they must provide supporting evidence as part of the Building Regulations application to justify that the building is capable of transferring dead, imposed and wind loads to the ground safely allowing for any additional loadings that are imparted to the structure as a result of the new EWI system being applied. This structural check does not form part of the Acme Ltd scope of works and therefore the client should appoint a suitably qualified structural engineer to be responsible for the global stability of the building and ensure that this assessment is included within the building regulation application.

Acme will not accept any responsibility for any failure caused to the EWI system as a result of any failures in supporting structure and foundations however it is caused. However Acme will be wholly responsible for the design of the EWI cladding system and the design of it's attachment to the wall.

INCA have received no more information regarding a training day requested from the BBA.

b) Bond Strength

A meeting was held with Rockwool to discuss the possibility of product change impacting on performance and current materials pricing increases. Minutes have been produced that the Chairman has seen however it appears that these have not been circulated.

Actions Mitch Gee to circulate the Rockwool meeting minutes . Done

c) Wind Load Guidance – pooling of fixing pull through data

Mitch Gee is still awaiting response from BBA regarding those in the industry's agreement to pool pull through data. The expectation is that this will help to reduce the standard deviation and therefore the safety factor required in calculating wind load guidance.

Actions Mitch Gee to chase up Paul Valentine

**d) BBA External Wall Insulation Systems (EWIS) Guidance Document
The Assessment of Resistance to Wind Load**

This document has not yet been sent back to INCA following our comments

4. **Ban on combustible cladding components over 18m / NHBC**

The members are seeing increasing issues with regard to the interpretation of the new amendments to fire section of the Building Regulations.

In one case a fire consultant has indicated that PVC corner beads should not be used and also the NHBC have said that glass fibre mesh could not be used over 18m as it didn't meet A2 criteria. It is our understanding that if the overall system meets A2 then this is acceptable. It seems that the BS EN 1716 rules for homogeneous materials are being applied to the non-homogeneous overall EWI system.

Generally members are struggling to get Exova to respond – it was agreed that letter to be sent to Exova to clarify the rules of testing and Building Regulation interpretation – this can ultimately be fed into the new Fire Guidance document.

The NHBC are also changing their rules with regard to other matters such as rain exposure. It was agreed that a delegation consisting of the members below should meet with the NHBC to obtain clarity of their current rules. We should ask for the NHBC to provide presentation to us summarising their current rules.

Stuart Sadler
Kevin Mangan
Kevin Davies
Simon Morgan
Joe Ragdale

Action	Julian Taylor to draft letter to Exova Mitch to set up meeting with NHBC
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5. **Technical Consultant / New Technical Guidance**

Fire Guidance document – the fire guidance document has been removed from the INCA website downloads. Work has been started on the replacement document.- Janet Murell has agreed previously to review this document when drafted.

INCA Guide to Regulations (possible title) – this will cover various aspects of the use of EWI in refurbishment and could incorporate the above fire document

Aspects to consider

- Check list of considerations during initial surveys
- Ventilation
- Focus on other sections of the building regulations other than part L and Part B
- Roof details
- Cills
- Care when using mineral fibre re weather protection / monitoring
- Design Responsibility
- PAS2030/PAS2035 – when these are published we should incorporate reference to these standards.
- Explain reasons for selecting details.

INCA Guide to Living with EWI – this will include guidance on Do's/ Don't's , fixings , maintenance , dryer vents , ladder access cleaning etc.

Wind loading – It was considered that rather than INCA re-writing the wind load guidance document that the BBA document should be referred to when it is published.

Movement Joints – a discussion was held regarding the design , detailing and installation of movement joints. It was recognised that movement joints were a potential weakness in the systems. The science as to the spacing / positioning is limited however ETAG 004 does have some rules i.e <10m or no limit depending on the flexibility of the render being used. The installation is important i.e tight butt joints / good sealing details. The type of building substrate also influences the degree of movement anticipated i.e timber frame structures will shrink more and as such horizontal slip joints required. Simon Morgan agreed to produce a draft document to consider the above points in order that a guidance document can be developed accordingly.

6. PAS 2030 and PAS 2035

Andrew Champ at SWIGA provided a presentation on PAS 2030/2035. Copy of the presentation slides are attached. These will be formally published by end of June 2019. There is a 18 month period for the introduction of the new standards. The new regulations will require more parties to be involved and auditing/ surveillance. The details used will also affect the risk scoring of a project. Costs will increase as a result.

Andrew Champ advised that he considers that a consistent approach could /should be adopted for maintenance / inspection of EWI systems – he has analysed the maintenance / inspection details of 7 system manufacturers to highlight the differences. Copy attached. He offered to work with INCA on this topic. To be discussed at the next meeting.

7. Sheathing Board Design Guidance

Mitch Gee reported that he has arranged a meeting with a leading supplier of sheathing boards to assist in the development of a sheathing board design guide for the external wall insulation industry.

It was also raised that there should be some guidelines on ventilation in cladding systems.

Action	Mitch Gee to investigate guidance on ventilation in cladding systems. Mitch to provide feedback on this item
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10. Any Other Business

Paul Banks S&B has expressed a wish to join the Technical Committee. There were no objections and it was thought beneficial to have representation from the various material suppliers. It was suggested that representation from Rockwool or Knauf would also be beneficial.

Action	Mitch Gee to advise Paul Banks of the next meeting and to speak the mineral fibre suppliers.. Mitch to provide feedback on this item
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a)	It was suggested that it could be an idea for Ventilations suppliers / manufactures to be approached to see if they would be interested in INCA associate memberships as ventilation is seen to be very important when undertaking EWI and as such it is likely that some form of forced ventilation system will be required to be installed as part of the Retrofit package.
Action	Mitch Gee to discuss this idea with the board. Mitch to provide feedback on this item
b)	Julian Taylor advised that the Retrofit Coordinator course has a module on EWI however the content could be improved. Julian will ask the course organiser if the committee can review the content and provide suggestions on enhancements to the content.
Action	Julian Taylor to contact the Retrofit Coordinator organiser – this was done but the feedback was that there was no funds to allow the course content to be re-written at this point. We were advised that they would look at providing the course content to INCA to allow us to review it but they could not guarantee when the update could be made. JT to chase up the slides
c)	EAE - Stuart Sadler has been contacted by Ralf Pasker EAE – Ralf has offered to attend one of our technical committee meetings and has also asked if we want to attend meetings of the EAE – it is not clear if we are still members of the EAE (we are still listed on their website) – Mitch can you advise accordingly. At this stage it was agreed that we should invite Ralf to the October meeting – Stuart has actioned this.
d)	WUFI – The BBA are requiring WUFI condensation risk analysis for direct application of EWI on framed structures - Stuart Sadler advised that he has had some experience of WUFI analysis and agreed to circulate some details of this – post meeting note this has been provided thank you

e) Future Meetings

The next meeting was agreed for 8 October 2019.

Future Meetings

8 October 2019 – Technical Committee – Venue to be confirmed