



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

Apologies

Mitch	Gee	SPSenvirowall
-------	-----	---------------

Welcome and Apologies

- 1 . The Chairman welcomed everyone to the meeting.

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

The Chairman informed members that the below suggested wording for System Designers to add to their specification to provide protection against the added design responsibilities had been 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 client's 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.

It was again reported that 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 which have since been circulated.

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

The Chairman advised that Mitch Gee (SPSenvirowall) 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 contact Paul Valentine to receive response

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

The document has not yet been sent back to INCA following comments.

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

It was reported that 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 the understanding of the INCA Technical Committee 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. The Committee agreed that a letter would be sent to Exova to seek clarification on the rules of testing and Building Regulation interpretation, which would then ultimately feed 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. The NHBC would be asked to provide a presentation to the delegation summarising their current rules.

1. *Stuart Sadler (Dryvit)*
2. *Kevin Mangan (SPSenvirowall)*
3. *Kevin Davies (Sto)*
4. *Simon Morgan (Wemico)*
5. *Joe Ragdale (Wetherby)*

Action	<ul style="list-style-type: none">• Julian Taylor to draft a letter to Exova• Mitch Gee to set up a meeting with NHBC
---------------	--

5. Technical Consultant / New Technical Guidance

Fire Guidance Document

Following removal of the Fire Guidance document from the INCA website, work has started on the replacement document. It was previously agreed that Janet Murrelle (Warrington Fire) would review the document upon drafting.

INCA Guide to Regulations (working title)

This will cover various aspects of the use of EWI in refurbishment and could incorporate the aforementioned 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 and 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 (Wemico) agreed to produce a draft document to consider the above points in order that a guidance document can be developed accordingly.

Action Simon Morgan to produce draft document

6. PAS 2030 and PAS 2035

Andrew Champ (SWIGA) provided a presentation on PAS 2030/2035. 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 and surveillance. The details used will also affect the risk scoring of a project. Costs will increase as a result.

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

7. Sheathing Board Design Guidance

As Mitch Gee (SPSenvirowall) was not at attendance at the meeting, he was unable to give an update on this item.

Action Mitch Gee to provide feedback on his investigation into guidance on ventilation in cladding systems.

10. Any Other Business

a) It was suggested in the previous meeting that representation from Rockwool or Knauf would be beneficial to the committee

Action Mitch Gee to provide feedback on his discussions with the Mineral Fibre suppliers.

b) It was suggested that ventilation suppliers and manufacturers could be approached concerning INCA Associate Membership. Due to ventilation being important when undertaking EWI and its likelihood to be a requirement as part of a Retrofit package.

Action Mitch to provide feedback from his discussions with the Board.

c) The Chairman gave an update on the Retrofit Coordinator Course. The feedback given was that there were no funds currently to allow the course content to be rewritten. The course content would be provided to INCA so that we could conduct our own review.

d) Stuart Sadler (Dryvit) had been contacted by Ralf Pasker at the European Association for External Thermal Insulation Composite Systems (EAE). Ralf offered to attend an INCA Technical Committee meeting and enquired on our interest in attending their meetings. It was agreed that Ralf would be invited to the October Meeting.

Action Julian Taylor to invite Ralf Parker to the October Technical Committee Meeting.

e) The BBA are requiring WUFI condensation risk analysis for direct application of EWI on framed structures. Stuart Sadler (Dryvit) advised that he has had some experience of WUFI analysis and agreed to circulate some details of this.

Action Secretariat to circulate WUFI analysis with these minutes.

f) **Future Meetings**

The next meeting was agreed for 8 October 2019.

Future Meetings

8 October 2019 – Technical Committee – Venue to be confirmed