From: Adrian Pargeter <adrian.pargeter@kingspan exchange.com>
Sent: Wednesday, November 2, 2016 4:34 PM
To: Gwyn Davies <gwyn.davies@kingspan.com>; Tony Scott <tony.scott@kingspan.com>; Linzi Hobbs <linzi.croft@kingspan.com>
Subject: FW: G1559 INTO UoS Cavity Barriers

Guys
Just passing on difficulties we are getting in Scotland, we will soon have to declare a *medium risk* for K15 unless we can get Euroclass b on the product, this will hurt us and allow Xtratherm in with their *low risk* product. I was hoping K115 would give us the chance to tackle this but hope of this has faded with subsequent testing.

Regards

Adrian Pargeter

Head of Technical and Marketing GB
Direct tel: [redacted]
Mobile:

From: Arron Chalmers
Sent: 02 November 2016 15:25
To: Adrian Pargeter
Cc: Adam Heath
Subject: RE: G1559 INTO UoS Cavity Barriers

I know, our only option to legitimately claim "low risk" is to get a Euroclass B on K15, or somehow get Class 0 on the product as a whole (which ideally is what we should be doing anyway). Neither seem like a reasonable possibility atm....

Kind Regards,

Arron Chalmers
TECHNICAL PROJECT LEADER

Tel: [redacted]
Mob: [redacted]
Email: arron.chalmers@kingspan.com

Kingspan

From: Adrian Pargeter
Sent: 02 November 2016 15:21
To: Arron Chalmers
Cc: Adam Heath
Subject: RE: G1559 INTO UoS Cavity Barriers

Hi Arron
Tricky one
As class 0 will no longer be recognised by BBA etc, is there any other test method that can be used to prove "low risk"

Regards

Adrian Pargeter

Head of Technical and Marketing GB
Direct tel: [redacted]
Mobile: [redacted]

From: Arron Chalmers
Sent: 02 November 2016 15:01
To: Adrian Pargeter
Cc: Adam Heath
Subject: FW: G1559 INTO UoS Cavity Barriers

Hi Adrian,

Can you help on this?

You probably aware of this issue as it's been ongoing for a while, but basically through a loophole we claim K15 is Class 0 in line with the ADB, by just testing the facing. However, Scotland's Technical Handbook is worded better in the sense that the entire product must be tested to achieve Class 0, to subsequently be designated as "low risk".

So we have two options –

1. We know it's not low risk, shall we be honest and says it's medium risk and therefore cavity barriers will need to be every 10m and not every 20m. Bearing in mind, this could then damage us on future jobs as Xtratherm has a low risk board and therefore huge USB over K15.
2. We blag it, send them our facing test and confirm that in line with ADB its Class 0, and kind of ignore her direct question about being low risk and hope their building control officer interprets this to Class 0/Low Risk.

What do you think?

Kind Regards,

Arron Chalmers
TECHNICAL PROJECT LEADER

Tel: [redacted]
Mob: [redacted]
Email: arron.chalmers@kingspan.com

Kingspan

From: Alistair Lambie
Sent: 02 November 2016 13:12
To: Adam Heath; Arron Chalmers
Subject: FW: G1559 INTO UoS Cavity Barriers

Afternoon both,

Can you add anything to this one?

Thanks,

Ali

Alistair Lambie
National Business Development Manager
Kingspan Insulation Ltd

[redacted]

From: Joanne Hemmings [mailto:j.hemmings@pagepark.co.uk]
Sent: 02 November 2016 10:24
To: Alistair Lambie
Cc: Steven Oliver
Subject: Re: G1559 INTO UoS Cavity Barriers

Alistair,

Thanks for your email. Please find the build-ups attached.
In summary we need a test certificate to prove that the Kingspan K15 board is classified as low risk as per Annexe 2E of the Building Regulations.
This is in relation to clauses 2.7.1 and 2.4.2. Can you please provide this information asap?

Kind regards,

–

Joanne Hemmings
Page \ Park Architects, 20 James Morrison Street, Glasgow, G1 5PE, United Kingdom
T [redacted]
j.hemmings@pagepark.co.uk
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http://twitter.com/pagepark

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From: Alistair Lambie <alistair.lambie@kingspan.com>
Date: Tuesday, 1 November 2016 at 20:15
To: Joanne Hemmings <j.hemmings@pagepark.co.uk>
Cc: Steven Oliver <steven.oliver@kingspan.com>
Subject: RE: G1559 INTO UoS Cavity Barriers

Joanne,

Travis is off [redacted] at the moment and his email are being diverted to me.

If there is no habitable space 18m or higher above ground level, there is no requirement for any test, so unsure why building control are asking for test data?

Above 18m, all cladding systems where every component is not deemed as non combustible must either provide a full scale BS8414 test or pass a desk top study completed by a suitably qualified fire specialist.

The whole subject has come under scrutiny in the past 18 months or so and I still believe there is an element of misunderstanding surrounding the issue, hence why we published the attached document.

I'd suggest you highlight to the building control officer that the building is indeed below 18m and ask where in the regulations it states a BS8414 test and pass is required – I would be extremely interested in knowing the response to this!

In the meantime can you send me a description and/or sketch of the construction detail from inner to outer and let me know the building use?

We would be more than happy to speak directly with the building control officer, but will await your response and guidance on this.

Hope this helps.

Thanks,

Ali

Alistair Lambie
National Business Development Manager
Kingspan Insulation Ltd
[redacted]

From: Joanne Hemmings [mailto:j.hemmings@pagepark.co.uk]
Sent: 01 November 2016 19:53
To: Alistair Lambie
Cc: Steven Oliver
Subject: Re: G1559 INTO UoS Cavity Barriers
Importance: High

Travis, Steven,

Further to my email below, the Scottish Standard in question is 2.7.1.
The chart on page 16 of the Technical Bulletin attached suggests that the insulation should be compliant as the building is under 18m height. Is there any test certification to prove this?

Kind regards,

–

Joanne Hemmings
Page \ Park Architects, 20 James Morrison Street, Glasgow, G1 5PE, United Kingdom
T [redacted]
j.hemmings@pagepark.co.uk
http://pagepark.co.uk
http://twitter.com/pagepark

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From: Joanne Hemmings <j.hemmings@pagepark.co.uk>
Date: Tuesday, 1 November 2016 at 19:14
To: Travis Hunter <travis.hunter@kingspan.com>
Cc: Steven Oliver <steven.oliver@kingspan.com>
Subject: Re: G1559 INTO UoS Cavity Barriers

Travis, Steven,

Our Building Control Officer has deemed the Kingspan K15 board non-compliant as it has not been tested to BS8414.1 2002 with the Aerolite granite cladding system. Do you have any comments? We really need to get this resolved tomorrow.

Kind regards,

–

Joanne Hemmings
Page \ Park Architects, 20 James Morrison Street, Glasgow, G1 5PE, United Kingdom
T [redacted]
j.hemmings@pagepark.co.uk
http://pagepark.co.uk

From: Travis Hunter <travis.hunter@kingspan.com>
Date: Thursday, 27 October 2016 at 12:39
To: Joanne Hemmings <j.hemmings@pagepark.co.uk>
Cc: Steven Oliver <steven.oliver@kingspan.com>
Subject: RE: G1559 INTO UoS Cavity Barriers

Hi Joanne,

Please see below the response from our office:
We would agree with Joanne with regards to the max. centres at which cavity barriers can be installed in a rainscreen cavity wall. The extract below from ADB2, Table 13 governs the maximum distance between barriers, in an undivided cavity.

B3 CONCEALED SPACES (CAVITIES)

Table 13 Maximum dimensions of cavities in non-domestic buildings (Purpose Groups 2–7)

Location of cavity	Class of surface/product exposed in cavity (excluding the surface of any pipe, cable or conduit, or any insulation to any pipe)		Maximum dimensions in any direction (m)
	National class	European class	
Between roof and a ceiling	Any	Any	20
Any other cavity	Class 0 or Class 1	Class A1 or Class A2-s3, d2 or Class B-s3, d2 or Class C-s3, d2	20
	Not Class 0 or Class 1	Not any of the above classes	10

Notes:
1 Exceptions to these provisions are given in paragraphs 9.10 to 9.12.
2 The national classifications do not automatically equate with the equivalent classifications in the European column, therefore, products cannot typically assume a European class unless they have been tested accordingly.
3 When a classification includes "s3, d2", this means that there is no limit set for smoke production and/or flaming droplets/particles.

With Kooltherm K15 being Class 0 and Euroclass C, it would appear to fall into the max. 20m category. However, this is something for them to argue with Building Control, as ultimately the final decision is theirs.

We do not manufacture cavity barriers and therefore cannot provide them with standard details. For guidance on how they should be detailed / installed, we would suggest they contact a cavity barrier manufacturer directly. Three are listed with the K15 product literature (extract below)

Fire Stop & Cavity Barrier Strategy

Current guidance to the Building Regulations / Standards should be considered with regard to the performance requirements for, and the provision of fire stops and cavity barriers. For specialist advice, including configuration and installation, refer to:

Aim Ltd
[redacted]
www.aimlimited.co.uk

Siderise
[redacted]
www.siderise.com

Tenmat
[redacted]
www.tenmat.com

Kind regards,

Travis Hunter
Business Development – Specification Manager

mob: [redacted]
direct tel:
direct fax:

Please watch the video relating to Fire Safety Compliance in High Rise Buildings
https://youtu.be/idPTW4MhK2Y

.....Kingspan Insulation BIM Objects.....

From: Joanne Hemmings [mailto:j.hemmings@pagepark.co.uk]
Sent: 27 October 2016 10:56
To: Travis Hunter
Cc: Steven Oliver
Subject: G1559 INTO UoS Cavity Barriers

Hi Travis,

As discussed, please see note below from the building control officer;

e. Any cavity created within the rain-screen system should be fitted with suitable barriers at 10m max centres. Their fixing details should also be given. Any openings created by doors, windows, services etc. should also be suitably fire stopped in accordance with the rain-screen system's test certification.

We have only allowed for cavity barriers every 20metres, as the Kingspan K15 has a Class 0 fire rating. We don't want to go up to cavity barriers every 10m if possible. Can you please comment?
We will also need to add a cavity barrier detail around the windows and doors. Can you please forward a typical detail? See drawings attached for reference.

Kind regards,

–

Joanne Hemmings
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