
From: Ray Bailey
Sent: 27 March 2015 16:52
To: Simon Lawrence; Neil Crawford; Ben Bailey
Cc: Simon O'Connor; Kevin Lamb; Daniel Anketell-Jones
Subject: RE: Grenfell Tower Fire Barriers

Hi Simon,

Reading the email from the specialist suppliers Façade Manager, it should be fairly straight-forward.

A firestop is required to stop fire spreading between floors or party walls if it is inside the building. ie inside of the window or curtainwall

A cavity barrier is required to stop fire spreading inside the cavity.- For the fire to enter the cavity it has had to have gone through the window or curtainwall.

In our situation the cladding is outside of the windows and therefore it should have a cavity barrier as opposed to a firestop.

I would ask Neil to make this point

Best regards

Ray

From: Simon Lawrence [mailto:slawrence@rydon.co.uk]
Sent: 27 March 2015 16:37
To: 'Neil Crawford'; Ben Bailey
Cc: Simon O'Connor; Ray Bailey; Kevin Lamb
Subject: RE: Grenfell Tower Fire Barriers

Thanks for checking Neil.

Ben – See Neil's response. It doesn't look promising.

Regards

Simon Lawrence, ACIOB, MInstLM
Contracts Manager

T
M

From: Neil Crawford [mailto:Neil@studioe.co.uk]
Sent: 27 March 2015 11:03
To: Simon Lawrence
Cc: Simon O'Connor
Subject: RE: Grenfell Tower Fire Barriers

Hi Simon

Have spoken with John and he wasn't happy with Harley's email as we are talking about fire stopping as opposed to cavity barriers. I have explained again the specifics of our scenario and he will have a conversation with Paul Hanson to see if there is a reduced spec they can agree to and will then speak with Harley's directly.

Regards
Neil

From: Simon Lawrence [<mailto:slawrence@rydon.co.uk>]
Sent: 27 March 2015 08:27
To: Neil Crawford
Cc: Simon O'Connor
Subject: FW: Grenfell Tower Fire Barriers

Hi Neil,

Following Tuesdays design meeting, Harley via their supply chain are questioning the rating of the cladding firebreaks. Apparently by going to 2hrs as we discussed has a cost increase of around £12k. Their supplier is saying it only needs to be 30mins everywhere as per the Regs extract below.

Could you take a look to see what you think and discuss with John Hoban please?

Regards

Simon Lawrence, ACIOB, MInstLM
Contracts Manager

T [REDACTED]
M [REDACTED]

From: Ben Bailey [<mailto:Benbailey@harleycw.co.uk>]
Sent: 26 March 2015 14:01
To: Simon Lawrence; Simon O'Connor
Cc: Kevin Lamb; Mark Stapley; Ray Bailey
Subject: FW: Grenfell Tower Fire Barriers

Simon,

As discussed, please see the email below from the firebreak supplier. There is quite a large cost difference between what Siderise and the spec recommend, and upgrading to the 120min barriers we discussed on Tuesday.
Could you forward this to the client's representative for approval please,

Best Regards,

Ben



Ben Bailey | Project Manager
[REDACTED] | benbailey@harleycw.co.uk

Harley Curtain Wall Ltd | Office: [REDACTED] | Fax: [REDACTED]
Harley House, Brooklands Park, Crowborough, East Sussex, TN6 2JD
harleycurtainwall.com



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From: Ricky Kay <ricky.kay@siderise.com>

Date: Thursday, 26 March 2015 13:42

To: Ben Bailey <benbailey@harleycw.co.uk>

Cc: Kevin Lamb <KevinLamb@harleycw.co.uk>, Mark Stapley <mark@harleycw.co.uk>, Sue Sheppard <sue.sheppard@siderise.com>

Subject: RE: Grenfell Tower Fire Barriers

Hi Ben,

Apologies for the delay...

Please find below extract from the Approved Document B of the Building Regulations.

PERFORMANCE OF MATERIALS, PRODUCTS AND STRUCTURES

B

Table A1 continued

Part of building	Minimum provisions when tested to the relevant part of BS 476 ⁽¹⁾ (minutes)			Minimum provisions when tested to the relevant European standard (minutes) ⁽²⁾	Method of exposure
	Loadbearing capacity ⁽³⁾	Integrity	Insulation		
15.Cavity barrier	Not applicable	30	15	E 30 and EI 15	Each side separately

Here you can see that it clearly states that 30 minutes fire integrity and 15 minutes insulation is all that is required from a cavity fire barrier. This is reference to rainscreen cladding applications where the cavity barrier is deemed to be on the outside of the building. Our RH25-90/30 will offer 90 minutes fire integrity and 30 minutes fire insulation, therefore exceeds minimum requirements.

120 minute fire rating is generally the industry standard for curtain wall to concrete slab edge firestopping where the firestop is located on the inside of a building and is considered to be a continuation of the floor slab.

Please get in touch if you need anything else from us to enable you to progress with your order, many thanks

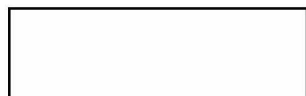
Kind regards

Ricky Kay

National Façades Manager

M: [REDACTED]

E: ricky.kay@siderise.com



Siderise Group, Forge Industrial Estate, Maesteg, Bridgend CF34 0AY

T: [REDACTED] | F: [REDACTED] | W: www.siderise.com

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