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**From:** Neil Crawford  
**Sent:** 31 March 2015 14:12  
**To:** Terry Ashton  
**Subject:** RE: Grenfell Tower Fire Stopping

Hi Terry

Thanks this was my point as well- metal cladding always burns and falls off, hence fire stopping is usually just to the back of the cladding line. Thanks for this confirmation anyway,

Regards  
Neil

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**From:** Terry Ashton [mailto:Terry.Ashton@Exova.com]  
**Sent:** 31 March 2015 13:32  
**To:** Neil Crawford  
**Subject:** RE: Grenfell Tower Fire Stopping

Neil

This isn't something that would necessarily form part of a fire safety strategy for a building. Therefore, it would not have been dealt with in the fire safety strategy for this buildings. I agree with Ben Kay. I believe that a cavity barrier is all that is required in this application. Even if we were to agree with RBKC, it is difficult to see how a fire-stop would stay in place in the event of a fire where external flaming occurred as this would cause the zinc cladding to fail.

Kind regards

Terry

**Terry Ashton:** *Associate, Fire Engineering (Europe)*  
**Exova Warringtonfire**  
T: [REDACTED] M: [REDACTED]



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**From:** Neil Crawford [mailto:Neil@studioe.co.uk]  
**Sent:** 31 March 2015 12:05  
**To:** Terry Ashton  
**Subject:** FW: Grenfell Tower Fire Stopping

Hi Terry

Can you comment on the history of this item- please see correspondence below as it is not clear to me why this item is causing such a difference in interpretation- can't see anything that seems to reference it in the fire strategy.

Regards  
Neil

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**From:** Neil Crawford  
**Sent:** 31 March 2015 12:00  
**To:** 'John.Hoban@rbkc.gov.uk'  
**Cc:** [slawrence@rydon.co.uk](mailto:slawrence@rydon.co.uk)  
**Subject:** RE: Grenfell Tower Fire Stopping

Hi John

Unfortunately this problem is not going away.

The subject of fire barriers is raising a lot of concern on site not least because of program and cost. I have forwarded a copy of diagram 33 and the typical floor detail and we are all miffed as to why this detail is not a cavity barrier in this location- please see attached. The relationship between the back of slab and cladding remains the same as the original cladding (concrete) is retained and therefore the integrity of this relationship at floor level has not been affected. The new cladding constitutes an additional layer applied on top not a new floor slab interface and therefore the interpretation is that this constitutes a cavity barrier and not a fire stop. This has now become something of an issue on site due to program bottle neck and so your earliest response to this would be appreciated...

Regards  
Neil

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**From:** [John.Hoban@rbkc.gov.uk](mailto:John.Hoban@rbkc.gov.uk) [<mailto:John.Hoban@rbkc.gov.uk>]  
**Sent:** 30 March 2015 14:22  
**To:** [sue.sheppard@siderise.com](mailto:sue.sheppard@siderise.com); [ricky.kay@siderise.com](mailto:ricky.kay@siderise.com); [benbailey@harleycw.co.uk](mailto:benbailey@harleycw.co.uk); [KevinLamb@harleycw.co.uk](mailto:KevinLamb@harleycw.co.uk); Neil Crawford; [mark@harleycw.co.uk](mailto:mark@harleycw.co.uk); [SOConnor@rydon.co.uk](mailto:SOConnor@rydon.co.uk); [slawrence@rydon.co.uk](mailto:slawrence@rydon.co.uk); [Terry.Ashton@Exova.com](mailto:Terry.Ashton@Exova.com)  
**Subject:** FW: Grenfell Tower Fire Stopping

Dear All,

The Building Regulations 2010 (as amended)  
Grenfell Tower, Grenfell Road, Refurbishment.

Please find detailed below a copy of an email sent to various persons on the 20<sup>th</sup> of March 2015, concerning the topic relating fire stopping of the compartment floors to the building. I would advise you that it is my interpretation of diagram 33 of Approved Document B is that the detail between compartment floors and external cladding is not a cavity barrier, therefore it must be fire stopped to at least the standard of the existing compartment floor [120 minutes]. Therefore the methods described in clause 9.13 would not be appropriate in this particular case

In the meantime should you wish to discuss any other aspects of the project, then please do not hesitate to call me, my direct line contact number is [REDACTED].

Best regards,

John Hoban  
**John Hoban**  
**Senior Building Control Surveyor**  
[REDACTED]

[john.hoban@rbkc.gov.uk](mailto:john.hoban@rbkc.gov.uk)

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**From:** Hoban, John: PC-Plan  
**Sent:** 20 March 2015 13:22  
**To:** 'Neil Crawford'; Hanson, Paul: PC-Plan  
**Cc:** [slawrence@rydon.co.uk](mailto:slawrence@rydon.co.uk); Kevin Lamb ([KevinLamb@harleycw.co.uk](mailto:KevinLamb@harleycw.co.uk)); Simon O'Connor ([SOConnor@rydon.co.uk](mailto:SOConnor@rydon.co.uk)); Jason North ([jnorth@rydon.co.uk](mailto:jnorth@rydon.co.uk))  
**Subject:** RE: Grenfell

Dear Neil,

The Building Regulations 2010 (as amended)  
Grenfell Tower, Grenfell Road, Refurbishment.

Thank you for returning my call this morning.

Further to my conversation with you today, I would confirm that the *fire time* for the new *Elements of Structure* [ new columns, beams, sections of compartment floor etc.] in Grenfell Tower is 120 minutes, as specified in section 1a of Table A2, Appendix A of Approved Document B.

I would also draw your attention to diagram 33 of Approved Document B and highlight the detail between compartment floors and external cladding. In the meantime should you wish to discuss any other aspects of the project Neil, then please do not hesitate to call me, my direct line contact number is [REDACTED].

Best regards,

John Hoban  
**John Hoban**  
**Senior Building Control Surveyor**  
[REDACTED]  
[john.hoban@rbkc.gov.uk](mailto:john.hoban@rbkc.gov.uk)

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**From:** Neil Crawford [<mailto:Neil@studioe.co.uk>]  
**Sent:** 30 March 2015 12:49  
**To:** Hoban, John: PC-Plan  
**Subject:** RE: Grenfell Tower Fire Barriers

Hi John

Ben Bailey from Harley's is who you might ask for. His phone number is [REDACTED]

Regards  
Neil

**From:** Neil Crawford  
**Sent:** 27 March 2015 10:53  
**To:** [john.hoban@rbkc.gov.uk](mailto:john.hoban@rbkc.gov.uk)  
**Cc:** [Terry.Ashton@Exova.com](mailto:Terry.Ashton@Exova.com); [Paul.Hanson@rbkc.gov.uk](mailto:Paul.Hanson@rbkc.gov.uk)  
**Subject:** Grenfell Tower Fire Barriers

Hi John

There has been a lot of conversation on site about the cavity fire barrier requirements to be fitted between the existing concrete external wall panels and the new external rain screen aluminium cassettes.  
Can you please see the proposal by the cladding contractor below and confirm if this is acceptable to you.

Regards  
Neil

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**From:** Ricky Kay <[ricky.kay@siderise.com](mailto:ricky.kay@siderise.com)>  
**Date:** Thursday, 26 March 2015 13:42  
**To:** Ben Bailey <[benbailey@harleycw.co.uk](mailto:benbailey@harleycw.co.uk)>  
**Cc:** Kevin Lamb <[KevinLamb@harleycw.co.uk](mailto:KevinLamb@harleycw.co.uk)>, Mark Stapley >, Sue Sheppard <[sue.sheppard@siderise.com](mailto: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 <sup>(1)</sup> (minutes)			Minimum provisions when tested to the relevant European standard (minutes) <sup>(2)</sup>	Method of exposure
	Loadbearing capacity <sup>(3)</sup>	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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Enjoy a leisurely cycle through the Royal Borough and raise money for local charities.

Have fun at the post cycle celebration in Holland Park – it’s the perfect family event.

Register at <http://www.bikeminded.org/whats-on/>

Are you registered to vote? The deadline to register to vote for the UK Parliamentary election is Monday 20 April 2015.

You can register to vote at <http://www.gov.uk/register tovot e>

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The Royal Borough of Kensington and Chelsea.

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