


From: Baker, Tony Tony.Baker@bregroup.com 
Subject: RE: Cavity barrier tests enquiry
Date: 11 December 2020 at 09:39
To: PJ Hillyard pj@dbfacades.com
Cc: Hunter, John John.Hunter@bregroup.com, Kent, Debbie Deborah.Kent@bregroup.com, Howard, Paul Paul.Howard@bregroup.com, Rock, Paul Paul.Rock@bregroup.com

Hi PJ,

I'm sorry for the slow response, I've been tied up with the Grenfell Inquiry recently so things have been backing up a bit.

We could potentially conduct an Ad-hoc test on top of our 1.5m furnace to replicate something close to the arrangement shown below but I'm not really sure how representative this would be. I'm assuming that you have 'helping hand' brackets fixed off the masonry wall to support the aluminium panels? What would be the normal spacing for these relative to the barrier. Also what cavity depth are you looking at between the wall and back of the panels?

Typically a test such as this would cost in the region of £5000-6000, I have provisionally allocated a test date of 26 January, but this will all need to be confirmed dependant on the actual test arrangement and details. As mentioned previously there isn't a published test standard covering this area, therefore any test we do will be ad-hoc and acceptance, or otherwise, of the results will be determined by the specifier, end user and relevant building control authority.

Regards
Tony

Tony Baker
Head of Passive Fire Protection

BRE, Bucknalls Lane, Watford, Herts, WD25 9XX (Sat Nav Postcode WD25 9NH)
T: +44 (0)1923 665141 M: 0777 222 8778 E:Tony.Baker@bregroup.com W: www.bre.com

Customer Services: +44 (0)333 321 8811 / International: +44 (0)1923 664000
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From: PJ Hillyard <pj@dbfacades.com>
Sent: 11 December 2020 08:07
To: Baker, Tony <Tony.Baker@bregroup.com>
Cc: Hunter, John <John.Hunter@bregroup.com>
Subject: Re: Cavity barrier tests enquiry
Importance: High

Hi Tony,

Can you please respond to below enquiry? We are keen to get testing undertaken ASAP.

Having used BRE previously for numerous tests we are keen to build a rapport but its looking like we will have no choice but to look elsewhere.

Regards,

PJ Hillyard
Project Manager

DD: [01980 634891](tel:01980634891) Mobile: [07894 256474](tel:07894256474)



Head Office: The Packway, Larkhill, Salisbury, Wiltshire SP4 8PY

Tel: **01980 654230** www.dbfacades.com

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From: "pj@dbfacades.com" <pj@dbfacades.com>

Date: Monday, 23 November 2020 at 08:09

To: "Baker, Tony" <Tony.Baker@bregroup.com>

Cc: Pete Hillyard <Pete@dbfacades.com>

Subject: Re: Cavity barrier tests enquiry

Hi Tony,

Any update to below? We are keen to get a formal quote & something booked in for testing ASAP.

Regards,

From: "pj@dbfacades.com" <pj@dbfacades.com>

Date: Tuesday, 10 November 2020 at 08:25

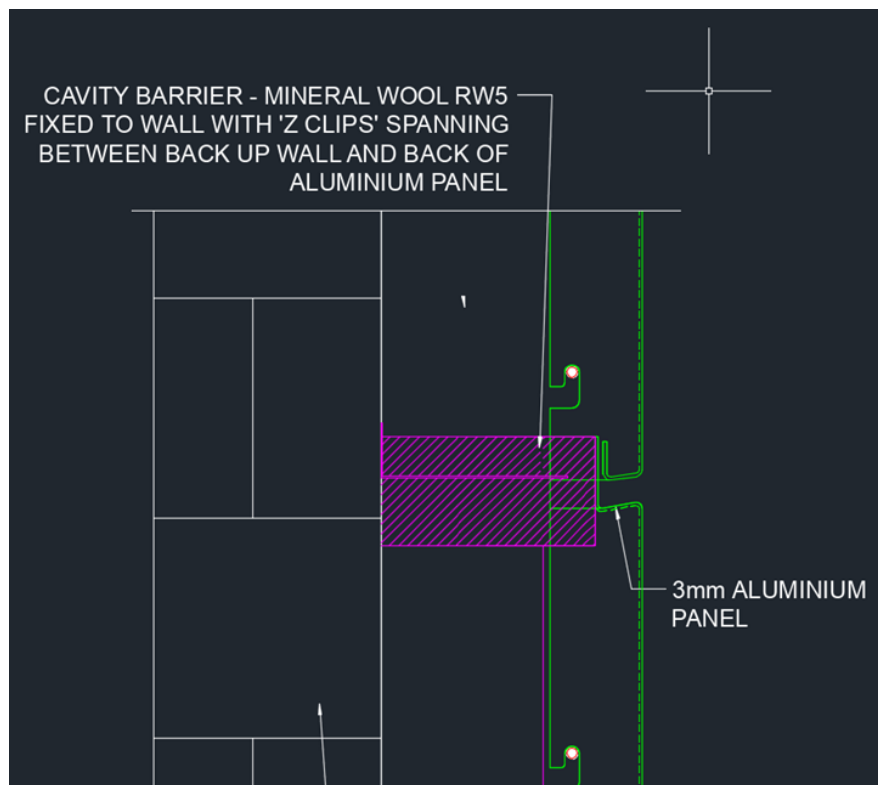
To: "Baker, Tony" <Tony.Baker@bregroup.com>

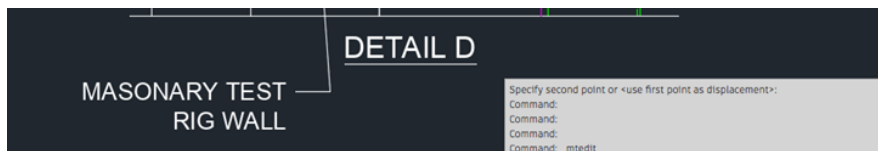
Cc: "pete@dbfacades.com" <Pete@dbfacades.com>

Subject: Re: Cavity barrier tests enquiry

Hi Tony,

Thanks for prompt response & info below. I believe we would want to go down the specific arrangement route with the barrier as below (both horiz + vert if required?) – is this possible?





Basically we just want to prove that the product by its own right is an adequate cavity barrier providing 30 (or even 60)mins integrity + insulation.

Regards,

From: "Baker, Tony" <Tony.Baker@bregroup.com>
Date: Monday, 9 November 2020 at 16:41
To: "pj@dbfacades.com" <pj@dbfacades.com>
Cc: "pete@dbfacades.com" <Pete@dbfacades.com>
Subject: RE: Cavity barrier tests enquiry

Hi PJ,

Thank you for your enquiry.

EN 1366-4 covers Linear gap seals, there is currently no fully published test standard for cavity barriers, there is a draft EN but this is coming under a lot of scrutiny and may not be published for some time. So most cavity barriers are tested to an ad-hoc method utilising BS 476-20 (general requirements), BS 476-20 doesn't give any guidance for test arrangement so we would suggest something along the lines of that detailed in the ASFP document TGD-19, although this document is specifically for open state cavity barriers. However we would look at alternative methods if you have a specific arrangement you wish to test.

We are currently quite busy and its likely that the earliest we could schedule a test for you would be in early January.

I hope this provides the initial information you require. If you have any further questions or would like to progress to a formal quote please do not hesitate to contact me.

Best regards
Tony

Tony Baker
Laboratory Manager – Fire Resistance
Passive Fire Protection

BRE, Bucknalls Lane, Watford, Herts, WD25 9XX (Sat Nav Postcode WD25 9NH)
T: +44 (0)1923 665141 M: 0777 222 8778 E: Tony.Baker@bregroup.com W: www.bre.com

Customer Services: +44 (0)333 321 8811 / International: +44 (0)1923 664000
Find us on Twitter, LinkedIn and YouTube

From: PJ Hillyard <pj@dbfacades.com>
Sent: 09 November 2020 15:19
To: Hunter, John <John.Hunter@bregroup.com>; Baker, Tony <Tony.Baker@bregroup.com>
Cc: Pete Hillyard <Pete@dbfacades.com>
Subject: Re: Cavity barrier tests enquiry

Thanks John.

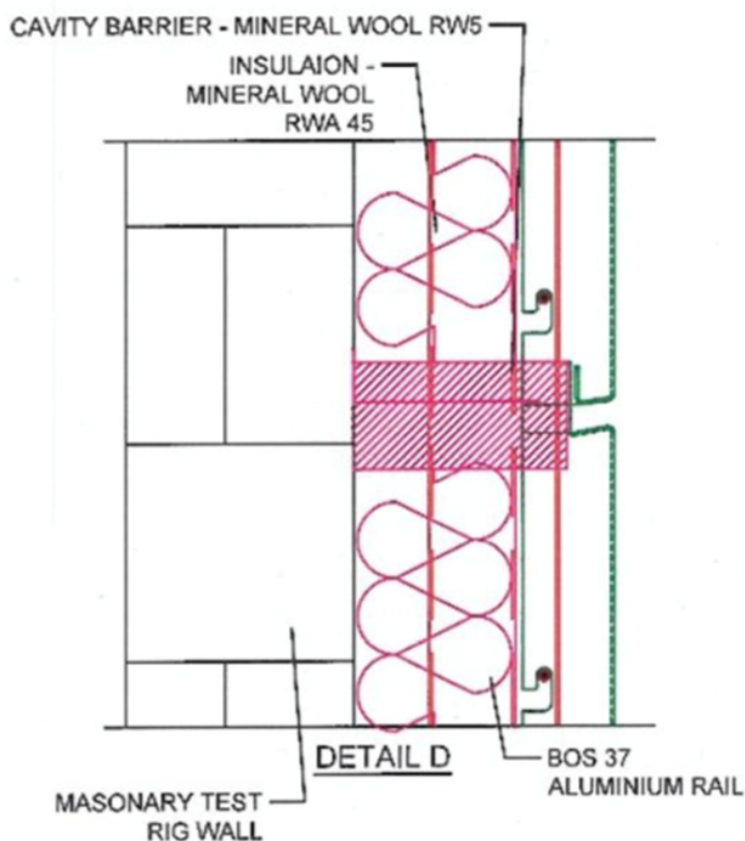
Hi Tony,

.....

As an introduction we are a design and build cladding company with our own solid aluminium rainscreen system (been in use c. 30 years) which has had both EN13823 and BR135 tests undertaken with yourselves – see BR135 test attached.

The product we used as a cavity barrier in this test is a 100mm mineral wool slab and it is this that we would like to get tested to BS 476-20 and/or EN 1366-4 standards ASAP.

Typical use for this cavity barrier is from a concrete floor slab or panel (on 1960's building) spanning full fill c. 240mm to the back of our aluminium panel as shown below (extracted from br135 test attached) :-



Can you please review and advise which test is best to undertake & accordingly cost/programme/what is to be provided?

If you require anything else please let me know.

Regards,

PJ Hillyard


Project Manager

DD: [01980 634891](tel:01980634891) Mobile: [07894 256474](tel:07894256474)

d+b facades
design + build overcladding specialist

Head Office: The Packway, Larkhill, Salisbury, Wiltshire SP4 8PY

Tel: [01980 654230](tel:01980654230) www.dbfacades.com

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From: "Hunter, John" <John.Hunter@bregroup.com>
Date: Monday, 9 November 2020 at 15:00
To: "pj@dbfacades.com" <pj@dbfacades.com>
Cc: "Baker, Tony" <Tony.Baker@bregroup.com>
Subject: Cavity barrier tests

Hi PJ

Tony Baker deals with fire resistance testing is you need talk BS 476-20 and/or EN 1366-4.

Regards

John GS Hunter

Section Leader, Reaction to Fire
Passive Fire

BRE, Bucknalls Lane, Watford, Herts, WD25 9XX
M: 07773 646 891 **E:** john.hunter@bregroup.com

Customer Services: +44 (0)333 321 8811 **W:** bregroup.com
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