

From: Philip Heath <philip.heath@insulation.kingspan.com>
Sent: Tuesday, March 27, 2007 5:49 PM
To: Ivor Meredith <ivor.meredith@insulation.kingspan.com>
Subject: RE: Please check and comment as you wish

Cheers

-----Original Message-----

From: "Ivor Meredith" <ivor.meredith@insulation.kingspan.com>
Sent: 27/03/07 11:47:30
To: "Philip Heath" <philip.heath@insulation.kingspan.com>
Subject: RE: Please check and comment as you wish

Good morning Gene,

May I refer to your meeting last Friday with Peter and Malcolm, during which the issue of fire testing ventilated rain screens insulated with Kooltherm K15 was discussed.

We have already undertaken a number of facade tests to the large scale BS8414 - 1, these included testing the facade with and without a ventilated rainscreen to determine if we could achieve correlation between a facade without rainscreen cladding and one with. We attempted to keep the actual rainscreen 'generic' by using non combustible building boards fixed to the an aluminium railing system with the appropriate gaps between the sheets to simulate a 'Trespa' type solution when fixed onto a masonry substrata. The end result was we achieved correlation, in that flame spread across the K15 was similar with and without the effect of the cladding material.

These two tests have allowed KI to market the system against BS8414 - 1 as an acceptable insulant for use within rainscreen systems and to date we have not been requested to undertake the test bespoke to a particular rainscreen solution.

Regards

Philip

We do plan one further test with a similar 'generic' construction fixed onto a metsec steel frame to satisfy the requirements of BS 8414-2. Due to availability this is programmed for the 3rd quarter in 2007 -

From: Philip Heath
Sent: 26 March 2007 10:50
To: Ivor Meredith
Subject: Please check and comment as you wish
Importance: High

Ivor, we are coming under pressure from both Metal-Con and Gene to undertake BS8414 tests with a raft of alternative rainscreen solutions, basically going 50:50 on cost of £230k with them. Both mine and Peters argument is that we have basically got it boxed off from the KI stand point and have hence drafted the following. Please check and comment as you feel fit.

Regards

Phil

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Good morning Gene,

May I refer to your meeting last Friday with Peter and Malcolm, during which the issue of fire testing ventilated rainscreens insulated with Kooltherm K15 was discussed.

We have already undertaken a number of facade tests to the large scale BS8414, these included testing the facade with and without a ventilated rainscreen to determine if we could achieve correlation between a facade without rainscreen cladding and one with. We attempted to keep the actual rainscreen 'generic' by using cement particle board fixed to the steel frame with the appropriate gaps between the sheets to simulate a 'Trespa' type solution. The end result was we achieved correlation, in that flame spread across the K15 was similar with and without the effect of the cladding material.

These two tests have allowed KI to market the system against BS8414 and to date we have not been requested to undertake the test bespoke to a particular rainscreen solution.

Regards

Philip