

# TBA FIREFLY

## PASSIVE FIRE PROTECTION

### TBA FIREFLY/BRICKWORKS BUILDING PRODUCTS SUCCESSFUL AS5113 FAÇADE TEST AT THE EXOVA WARRINGTONFIRE AUSTRALIA EXPO DAY



What a fantastic day organised by Michelle Meek from CPD Solutions and facilitated by Exova Warringtonfire at their Dandenong Testing Facility. The day started off at the Atura Hotel function rooms with MC Mark Catchpole introducing some extremely informative speakers, as usual the riveting Dr Jonathan Barnett-Red Fire Engineers captivated the audience, Cathy Inglis of Brickworks Building Products gave a great talk and Brett Dundules Senior Technical Officer FPAA gave an update regarding the FPAA's submission to the ABCB's proposed draft 1 amendment to the NCC. Even I got to have a short natter, explaining the step by step, build-up of our façade test specimen.

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**TBA Firefly (Breathable) Vulcan 6mm Fire Barrier**

This was overlaid with TBA Firefly (Breathable) Non-combustible Sarking, 35mm steel top hats were screw fixed through the TBA Firefly layers into the timber frame.

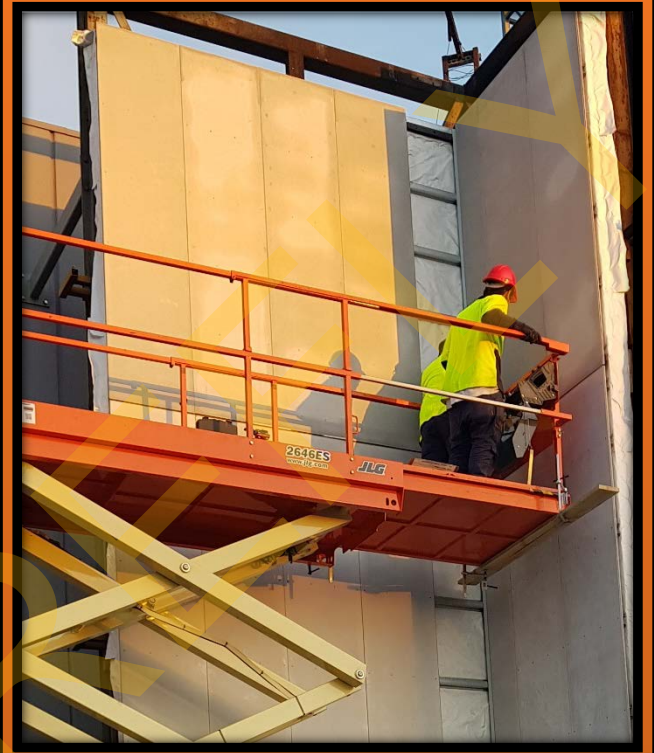
Following lunch and a short bus ride to the lab, delegates were given a quick induction and tour of the Testing Facility. Unfortunately due to the short time span we were unable to secure the CLT Panels and were forced to go with the worst-case scenario of a lightweight 90mm x 45mm timber frame, R2 glasswool insulation batts and a standard grade 10mm plasterboard on the non-fire side. The frame and insulation were protected with TBA Firefly (Breathable) 6mm thick fire barrier stapled directly to the face of the frame, it was installed with both vertical and horizontal joints.



**Steel top hats being installed**



Brickworks Inex 16mm façade boards were then screw fixed to the steel top hats, all horizontal and vertical joints of the boards were finally sealed using TBA Firefly Intusil WB fire rated sealant.



**BRICKWORKS BUILDING PRODUCTS INEX FAÇADE BOARDS BEING INSTALLED**



**READY FOR TEST**

**DURING TEST**

**POST TEST**





**The Post Test De-construction in the images above show the Structural Timber Frame and Thermal Insulation were Completely Unscathed and ready for an Easy Re-build following a Façade Fire.**



I would like to thank Steven Halliday, Mandeep Kamal and their team at Exova Warringtonfire for making this happen. Michelle Meek from CPD Solutions for organising the whole day. Jing and Cathy from Brickworks for their fantastic facade materials, my boss Ross Jackson for always supporting my decisions and letting me do what I do.

### **My Boss**

The great speakers of the day and all 99 Delegates which were made up of some of the finest and most respected Fire Engineers, Architects, Builders and other Building Professionals from around Australia and New Zealand.

**Ross, myself, Michelle Meek, Mark Catchpole & Jing Xu celebrating at the bar.**



It was awesome to have so many people witness our highly successful Fire Test using the TBA Firefly/Brickworks Inex Façade System.

Most of all I would like to thank my wife Louise Kempster for letting me spend so much time away from my family throughout the year and holding down the TBA Firefly Fort during my weeks away. Especially as it was her Birthday last week.



**EXOVA LADS, JING XU AND CATHY INGLIS**