

ABOVE 18M ACTION PLAN

1. PROJECT

To achieve accreditation for FR5000 for use in above 18m applications.
Tested in accordance with BS 8414:1 or/and BS 8414:2.

2. FINDINGS

To comply with Approved Document B2, a full scale fire test must be carried out in accordance with BS 8414:1 or BS 8414:2. Between August 12 & Jan 13, Celotex recorded lost opportunity from not having above 18m was 70,000 sq/m. It is one of two gaps in which we cannot compete with Kooltherm products. Only Kingspan K15 & Xtratherm's Safe-R market that they have achieved above 18m fire accreditation. Both are in accordance with BS 8414:1 onto a masonry wall.

Testing -

BS 8414: 1 – Test method for non-loadbearing external cladding systems applied to the face of the building.

Part 1 is predominantly focused on refurbishment projects where insulation is used within overcladding systems or external wall solutions on a masonry construction.

BS 8414:2 – Test method for non-loadbearing external cladding systems fixed to and supported by a structural steel frame.

Part 2 is concerned with rainscreen cladding on steel frame constructions. Predominantly new build projects.

All full scale fire testing is carried out at the BRE test house.

L-Wing test facility constructed of either masonry or steel frame. Testing time is 30 minutes and is measured based on internal fire spread, external fire spread and mechanical performance. Level 2 thermocouples at 5m high should not exceed 600°C.

Costings -

Part 1 – Masonry - £8,500 - £13,500 approx per test

Part 2 – Steel Frame - £11,500 approx per test

No indication was given in regards to cost of contractors coming in and building the specified rig. T.Baker @ BRE expected contractors to be on site for around 5 days to build rig.

Once specifications have been finalised, we will receive confirmation of actual cost.

Timescale -

From agreeing construction details with the BRE, lead time is between 6-8 weeks

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depending upon contractor availability.

3. ACTION PLAN

- Agree ASM to be included into project team
- JR to look at BR 135 third edition
- PE to open discussions with Knauf Facades re. partnering opportunities
- CC to get a contact in group re. Fire
- BW/ASM to feedback market opportunity re. Test to part 1 or part 2
- NPD plans finalised re. Realising Solstice technology
- BS 8414:1/2 decision finalised
- Specification first draft sent to BRE for costs
- Business case complete and signed off