

Celotex RS5000 FAQs

1. Do you have a solution for buildings above 18 metres in height?

Yes, Celotex RS5000 has successfully met the performance criteria in BR 135 and therefore is acceptable for use in buildings above 18m. Details of the tested system can be found in our compliance guide and product literature.

2. Does your 18m approval cover a different type of cladding panel/railing system?

The BR 135 classification states what product components were tested and cannot state what is not covered. Any permutations away from the tested system will need to be considered by the designer and approved by the local building control officer.

3. Can I use a cement particle board as a sheathing board to the steel frame with Celotex RS5000?

For buildings above 18m, we recommend the use of a non-combustible sheathing board such as a magnesium oxide or calcium silicate.

4. What fire barriers do I need to use with Celotex RS5000 above 18m?

Details of fire barriers used when testing to BR 135 can be found in our compliance guide. We would recommend contacting Siderise Lamatherm on 01656 730833 for advice on rainscreen ventilated and non-ventilated fire barriers.

5. Where do you recommend positioning a breathable membrane in relation to the insulation board for steel frame structures?

We recommend a breathable membrane positioned behind Celotex RS5000, directly onto the non-combustible sheathing board. When using Celotex GA4000, the breathable membrane should be over the face of the insulation.

6. Do I have to tape the joints of the Celotex RS5000?

Yes, Celotex RS5000 board joints should be taped to create a continuous weather barrier. We recommend the use of self-adhesive rainscreen cladding aluminium tape at least 75mm wide. Contact venture tape on 01327 876555.

7. What fixings do you recommend for Celotex RS5000?

A minimum of 9 fasteners per 1200mm x 2400mm board is recommended. Advice should be sought from fixing manufacturers on appropriate fixing details for specific substrates. For buildings above 18m, one non-combustible fixing per m² of insulation is required.

8. Does Celotex have an alternative to Kingspan's K15 phenolic board?

Celotex RS5000 is our PIR solution for rainscreen cladding systems for buildings below and above 18m in height. Full system test details can be found in our compliance guide.

9. Does your 18m approval cover masonry constructions?

We have tested to BS 8414-2:2005 which covers cladding systems fixed to & supported by a structural steel frame. Our BR 135 classification doesn't state what isn't covered and we would advise checking with building control. It is our opinion that testing insulation fixed back to a sheathing board represents worst case and as long as the substrate is non-combustible, the test report remains valid.

10. What ventilated cavity should I use for NHBC projects?

NHBC standards 6.9 outline ventilation guidance. For open joints a minimum 50mm should be adopted & 38mm for baffled/labyrinth joints.