

Appendix 2

Cladding design and specification for completed overcladding of high rise residential accommodation

All of the ACC over-cladding is made of the following materials:

1. Insulation made of stone fibres which is non-flammable and is hard-up against the concrete wall. It is 125mm thick and is a rigid material;
2. Solid façade sheets made of a fibreglass reinforced polymer which is resistant to the spread of fire and hinders smoke development;
3. Cavity barriers at each party floor and party wall, and around each window. These barriers enclose any fire so as to prevent the risk of it spreading from flat to flat, and prevent it spreading within the over-cladding. These cavity barriers are made of both the previously-mentioned stone fibre insulation (around the windows and at the party walls) and also intumescent seals and steel at the party floors. The intumescent steel fire stop which, when it heats up, expands to block any fire.

