

**Effectiveness of sprinklers in
residential premises**

Section 5: Experimental
Programme (Appendix 5I)

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Appendix 5I – Graphs of heat release rate versus time for each of the calorimeter fires and a comparison of heat release rate profiles

TV fire calorimetry test

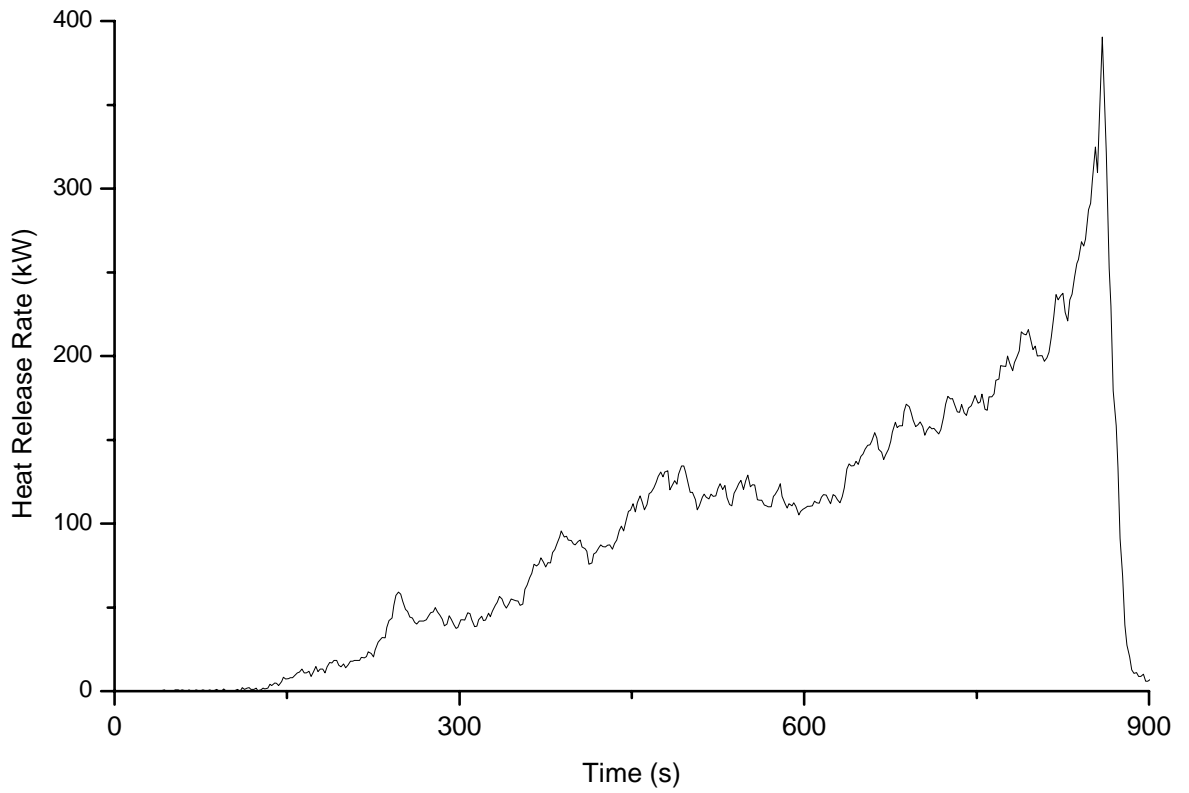
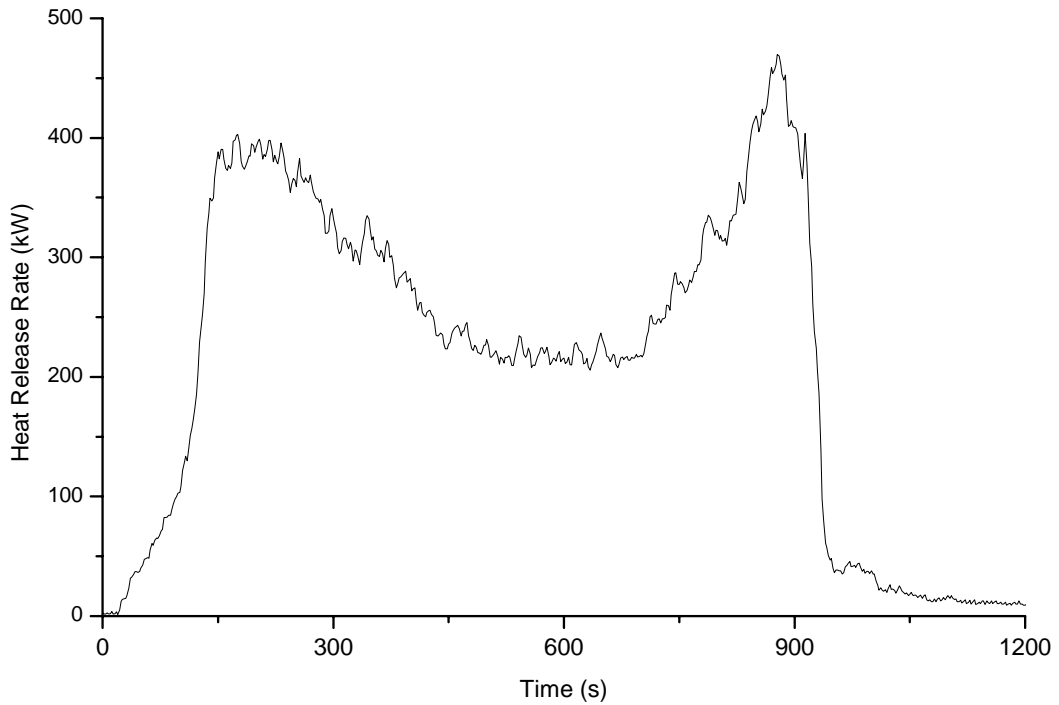


Figure 5I.1 – Heat Release Rate profile for TV fire (test terminated after 14 mins)

Table fire calorimetry test



**Figure 5I.2 – Heat Release Rate profile for Table fire (test terminated after 15 mins)
– Moisture content of top table 12% and wooden batons 10.5%**

Sofa fire calorimetry test

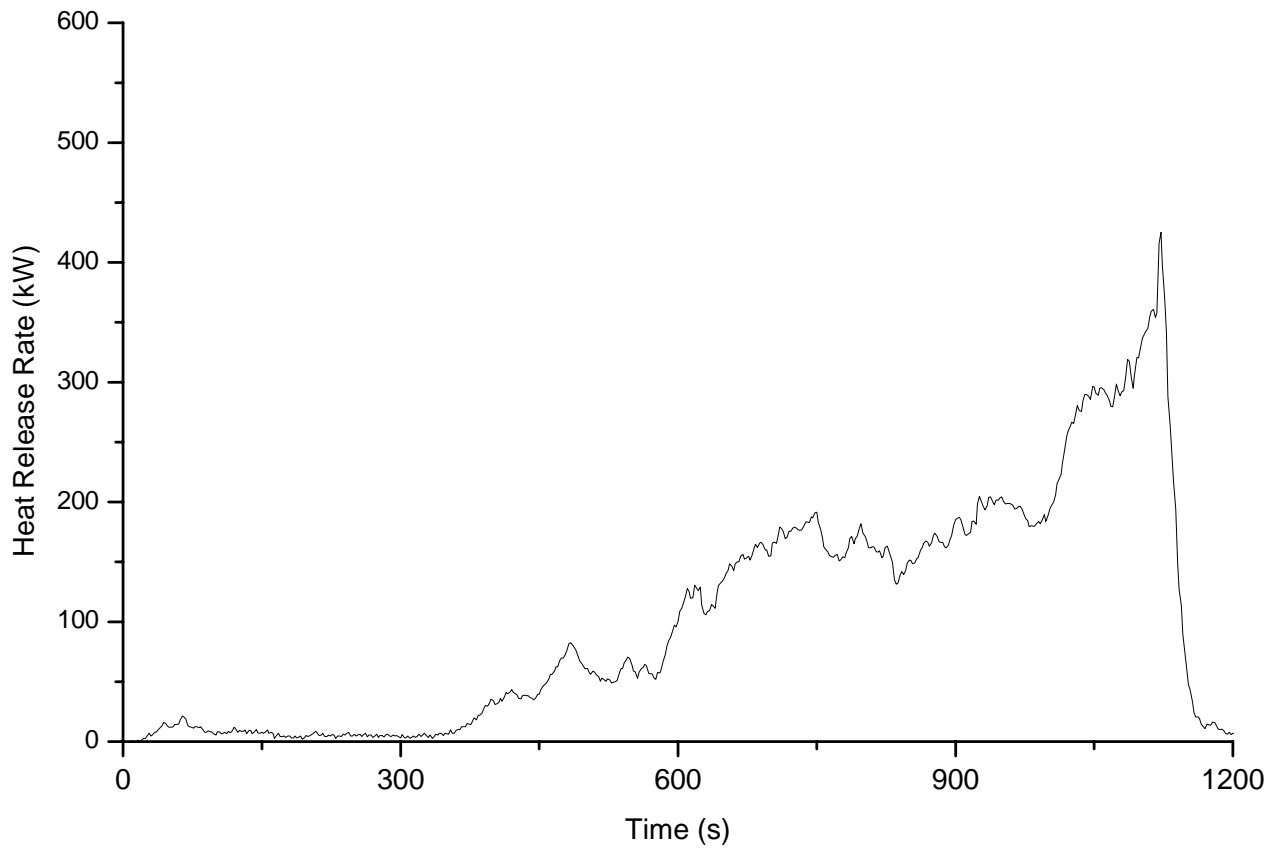


Figure 5I.3 – Heat Release Rate profile for Sofa fire (test terminated after 18½ mins)

Bed fire calorimetry test

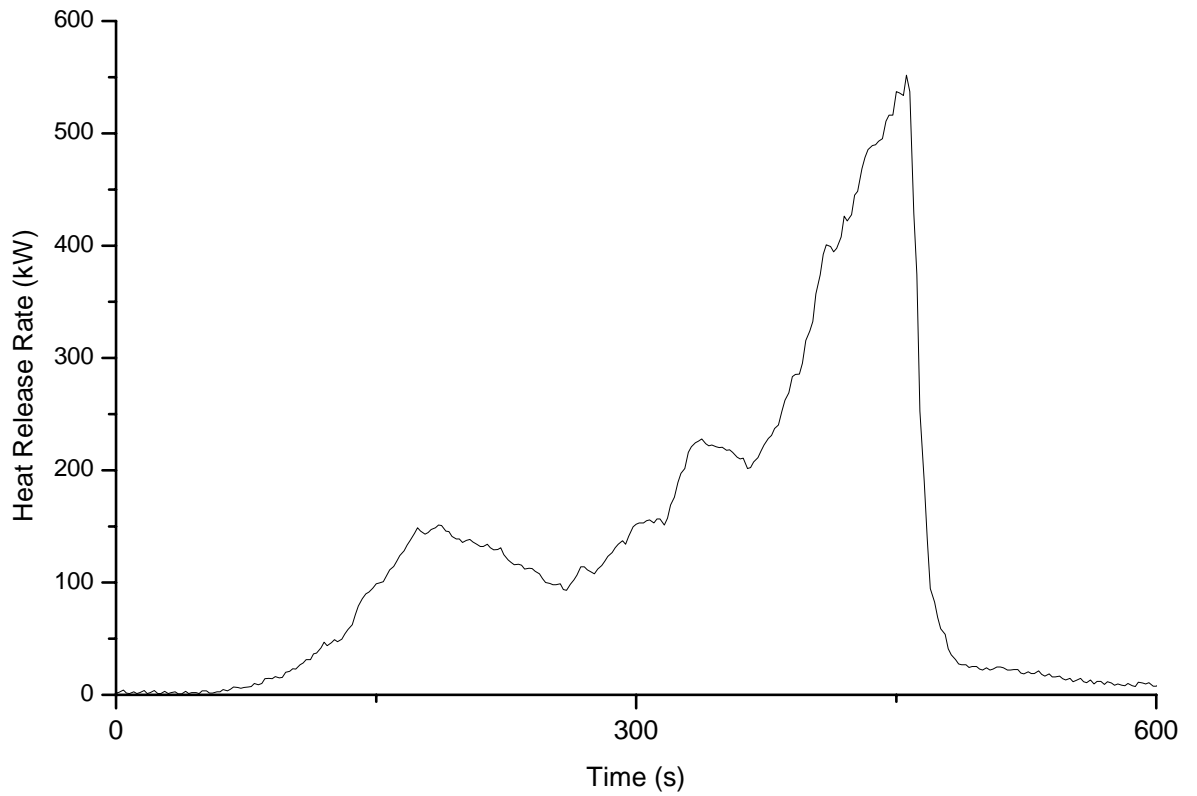


Figure 5I.4 – Bed profile for Sofa fire (test terminated after 7½ mins)

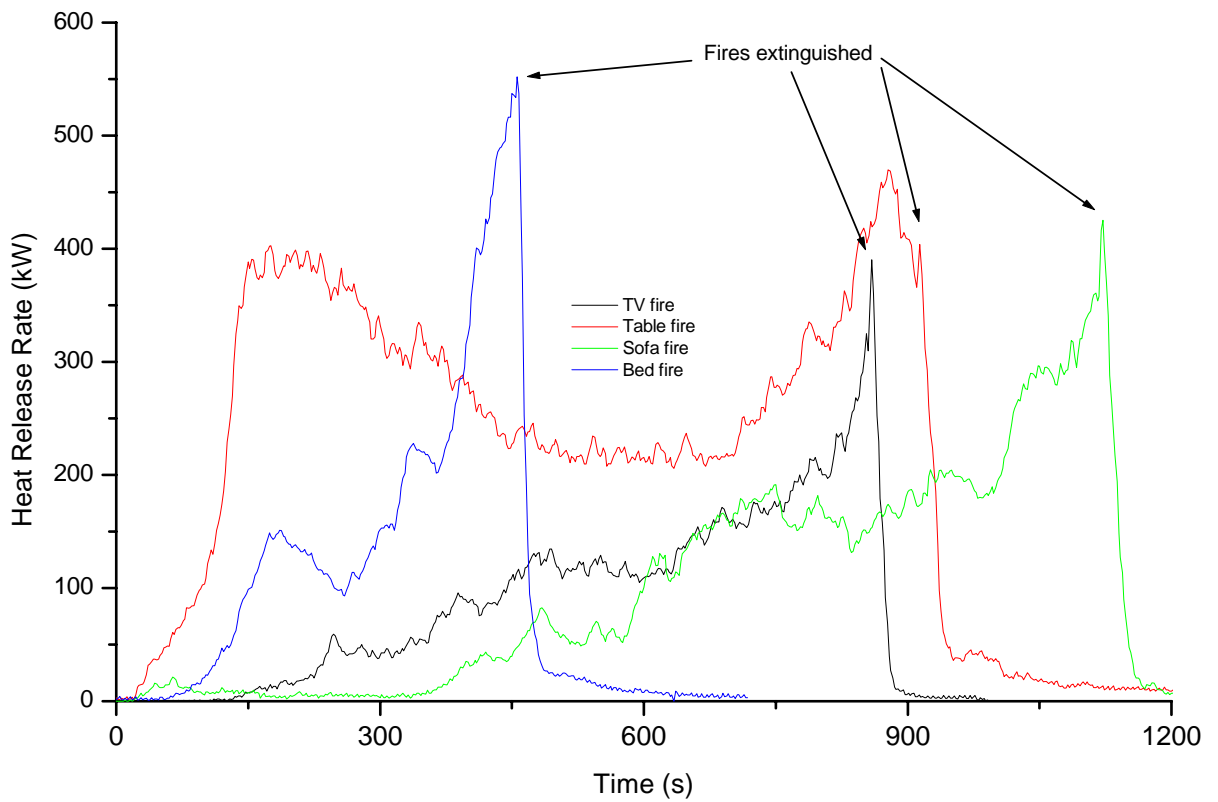


Figure 5I.5 – Comparison of heat release rate profiles

