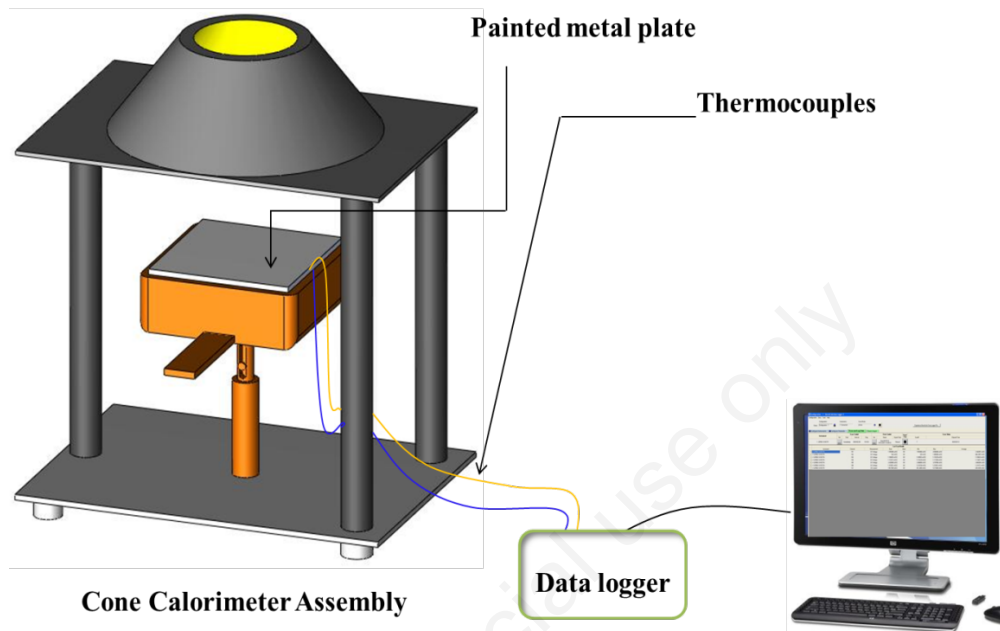


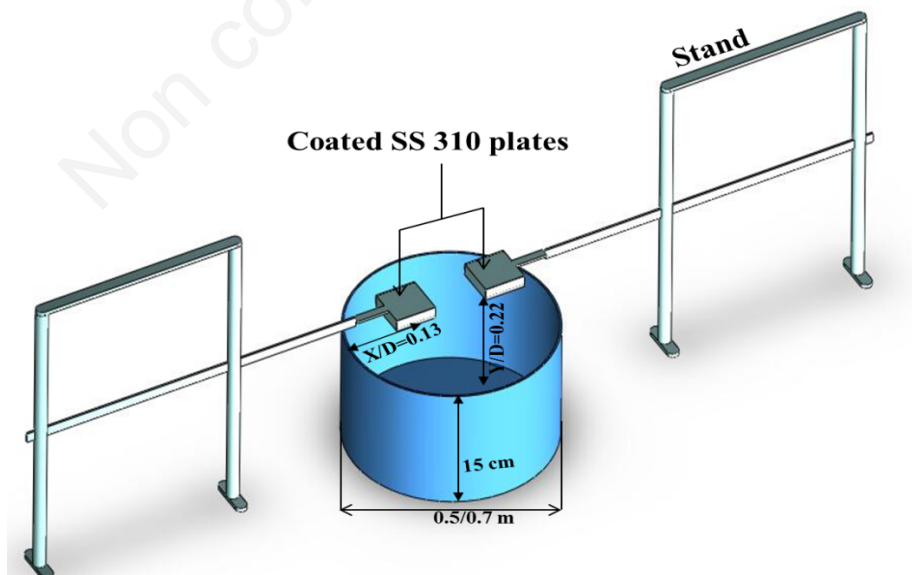
Appendix

Fire Research #45

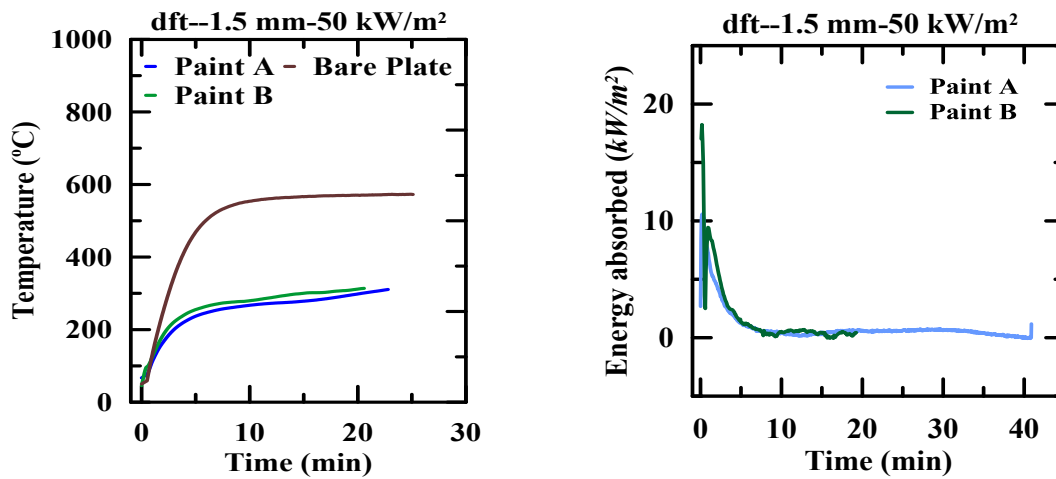
Performance of intumescent coatings in cone calorimeter and open pool fires



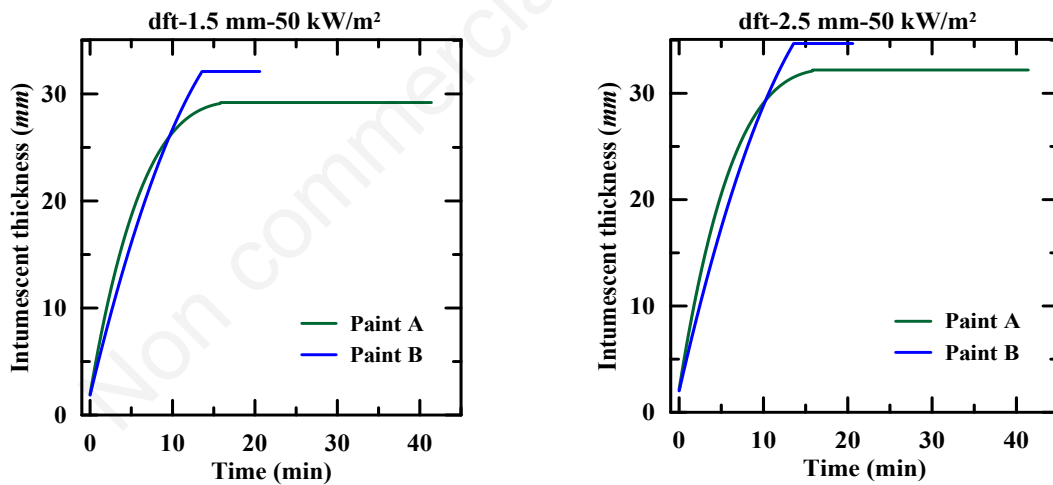
Appendix Figure 1. Schematic of the cone calorimeter experimental setup.



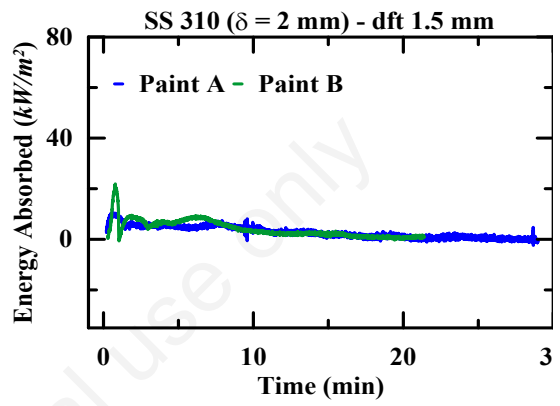
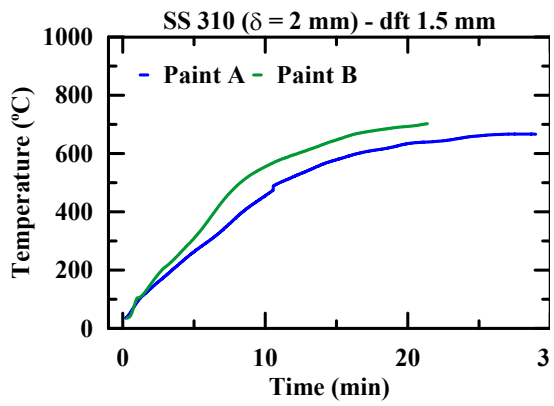
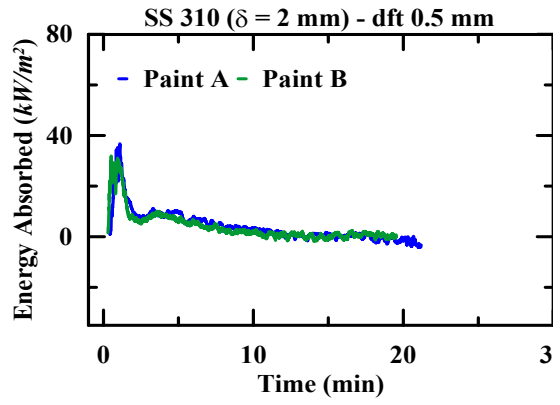
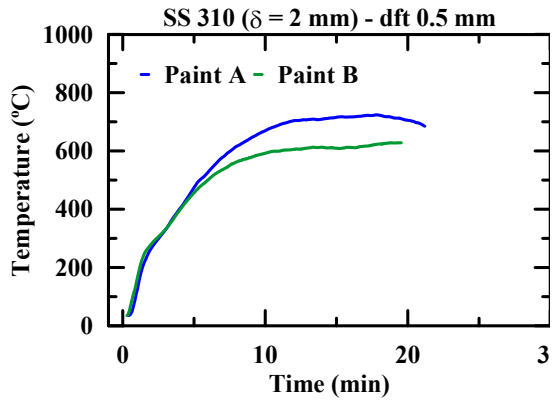
Appendix Figure 2. Schematic of the experimental set-up for 0.5 m and 0.7 m open pool fire.



Appendix Figure 3. Variation of temperature and energy absorbed by Stainless Steel 310 plate for a dry film thickness of 1.5 mm.



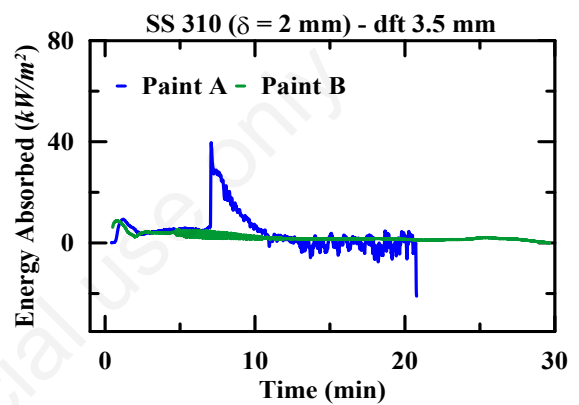
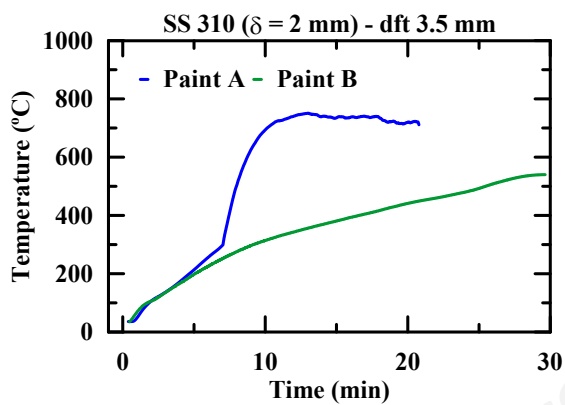
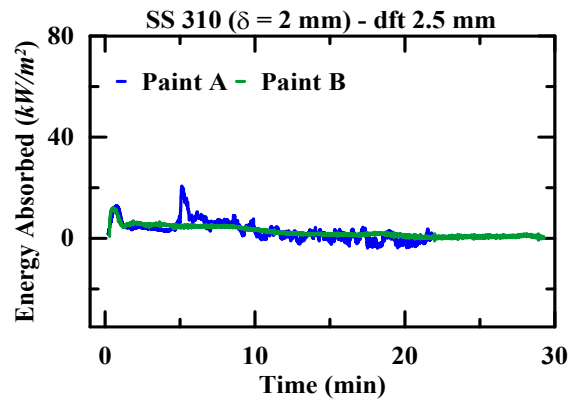
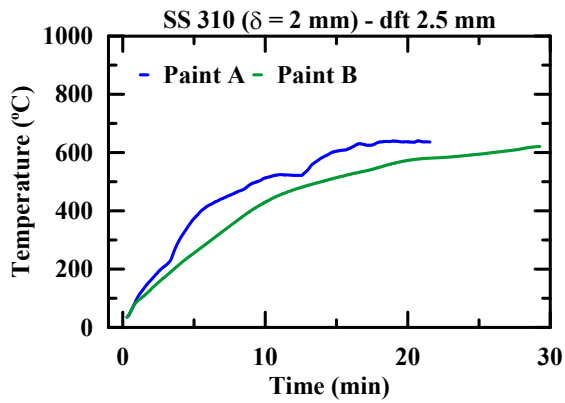
Appendix Figure 4. Comparison of variation of intumescent thickness with time for different paints.



A

B

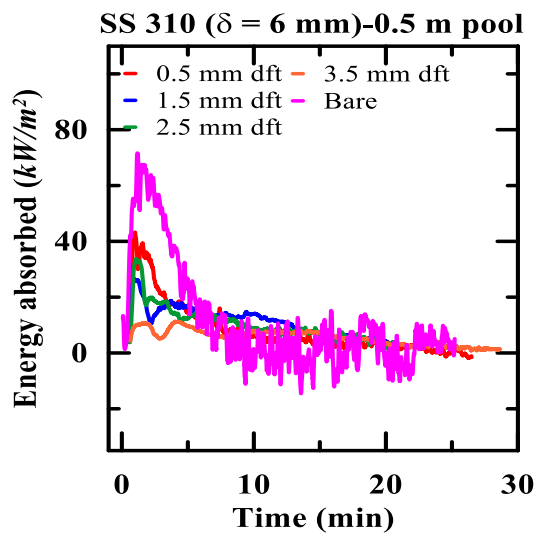
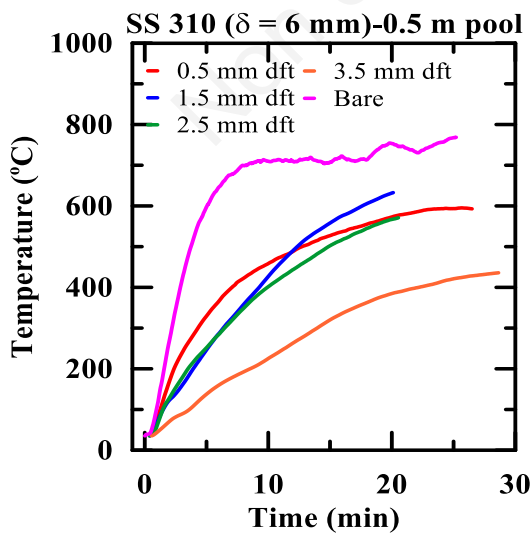
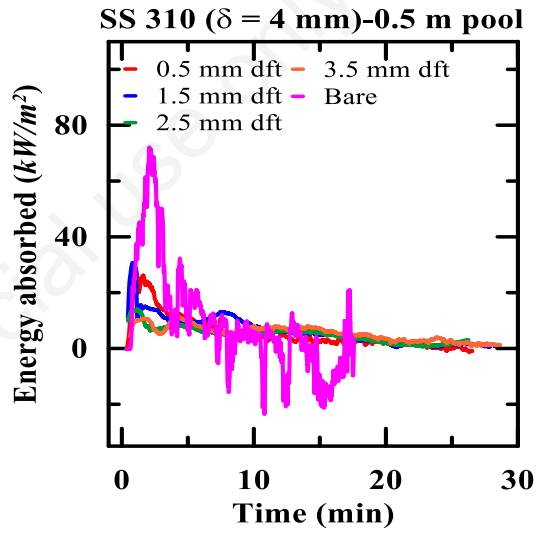
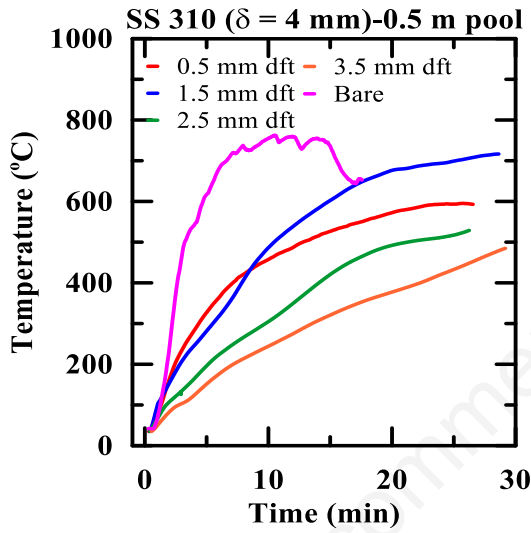
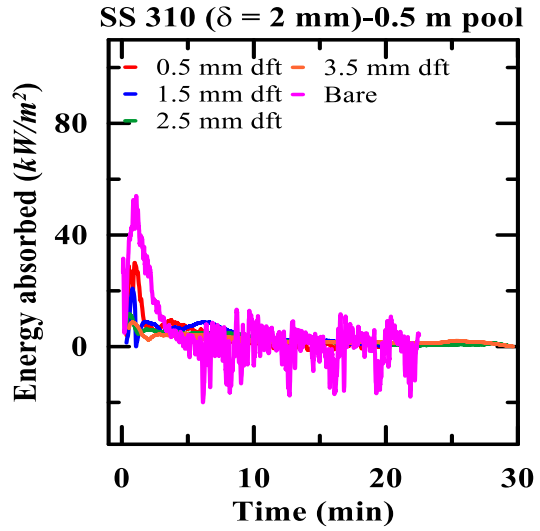
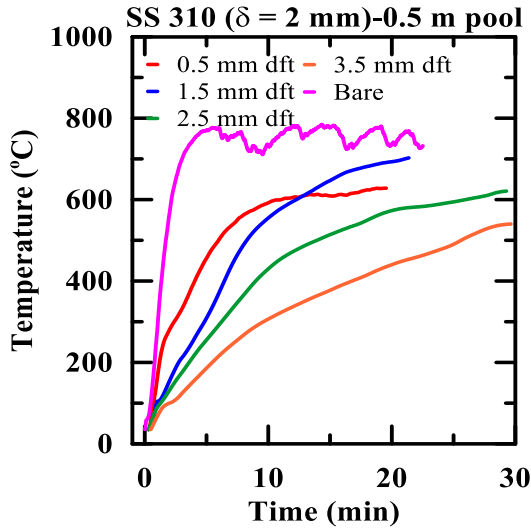
Non commercial use only



C

D

Appendix Figure 5. Comparison of Paint A and B on 2 mm thick plates with dft 2.5 and 3.5 mm. (A) Temperature variation with time; (B) Energy absorption rate; (C) Temperature variation with time; (D) Energy absorption rate.

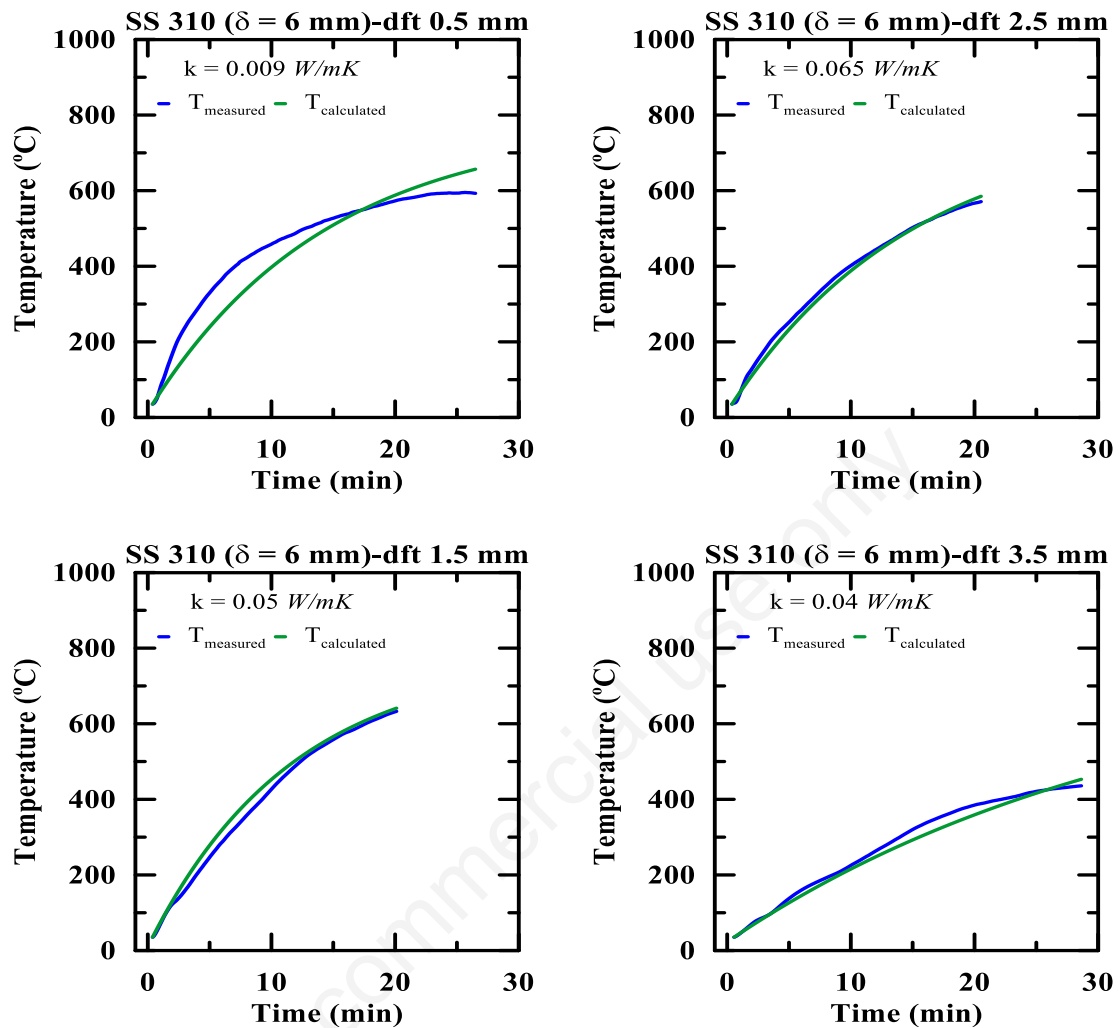


A

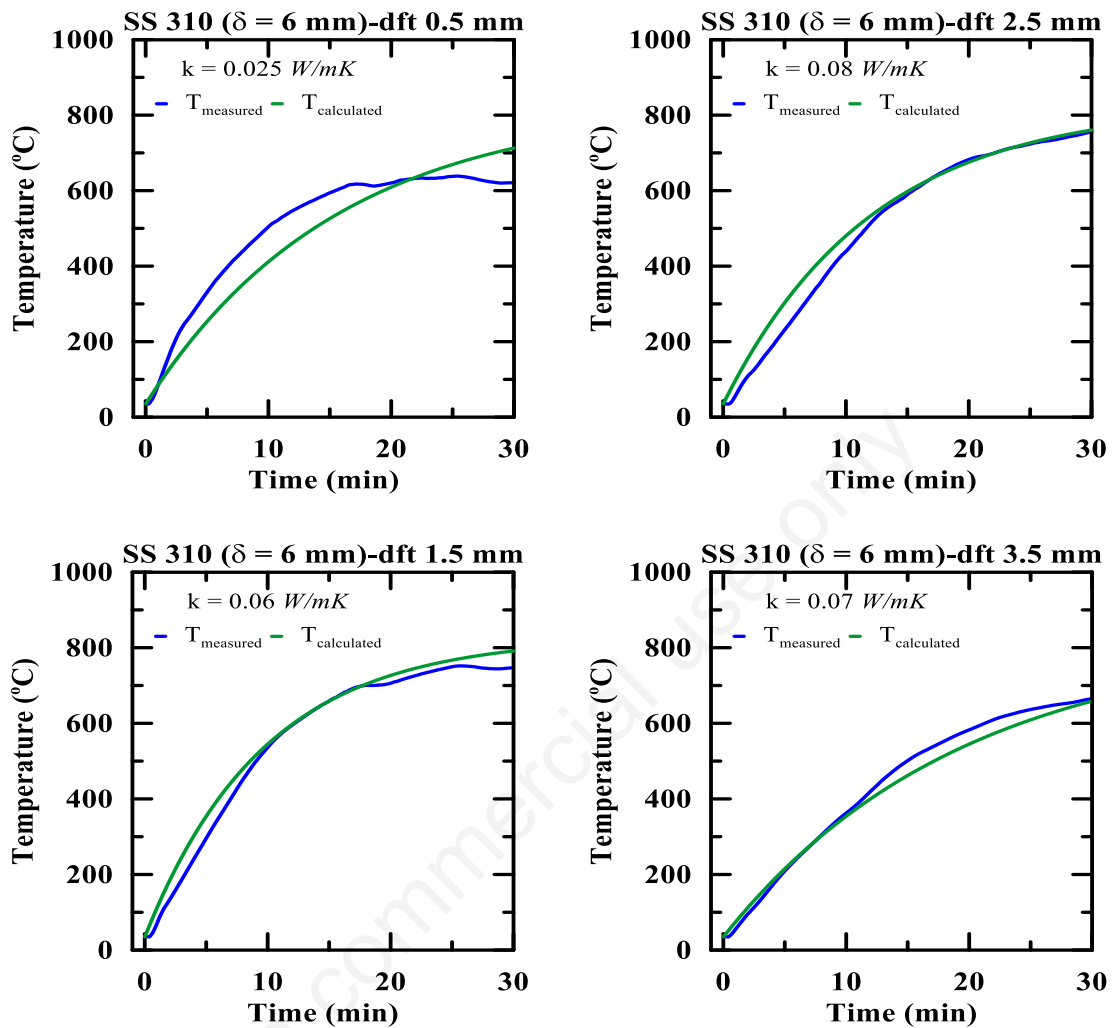
B

Appendix Figure 6. Temperature variation and energy absorption rate of the

Stainless Steel 310 plate with different dry film thickness in a 0.5 m open diesel pool fire.



Appendix Figure 7. Comparison of temperature calculated using constant thermal conductivity for 6 mm thick target plate in 0.5 m pool fire.



Appendix Figure 8. Comparison of temperature calculated using constant thermal conductivity for 6 mm thick target plate in 0.7 m pool fire.