Exposure Protection: Thermo-Gel® vs. Class A Foam

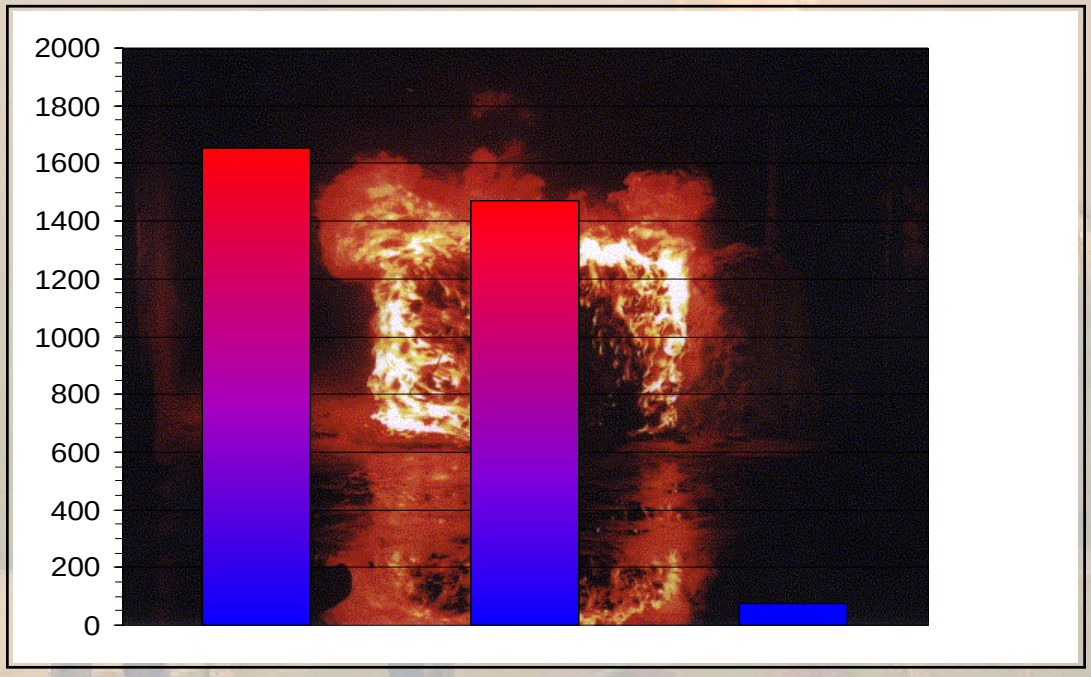
Thermo-Gel® Providing Exposure Protection

Adjacent structure protection or exposure protection has become a problem for all city and rural fire departments. Saving surrounding homes during a structure fire is as important as extinguishing the fire.

Using simple plastic bales in a laboratory environment, we were able to again demonstrate the effectiveness of Thermo-Gel® over Class A foam.

Three plastic bales were used, one remained untreated, one was treated with Class A foam and the third was treated with Thermo-Gel®. The untreated plastic bale was ignited and allowed to burn for 40 minutes.

At the end of the test two items were noted. The first was that the untreated bale and the bale treated with Class A foam were completely destroyed, while the bale treated with Thermo-Gel® remained unharmed. The second item was the peak temperature reading taken of each bale. The untreated and Class A foam treated bales reached in excess of 1,400 degrees Fahrenheit, while the Thermo-Gel® treated bale reached only 100 degrees Fahrenheit!



Untreated Bale
1650 Degrees Fahrenheit

Class A Foam Bale
1450 Degrees Fahrenheit

Thermo-Gel® Bale
100 Degrees Fahrenheit!!