

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



Firefighter Applying Thermo-Gel®

The following test was performed in conjunction with a California fire department and clearly demonstrates the effectiveness of Thermo-Gel® over Class A foam when being used for home or structure protection.

Half of the home was treated with a structure protection Class A foam and the other half was treated with Thermo-Gel®.

Chevron training fuel was ignited and burned for 10 minutes in conjunction with a mechanical fan that simulated wind. The results of the test as noted below are both amazing and dramatic. The side of the home treated with Class A foam was a total loss, yet the Thermo-Gel® treated side remained completely protected throughout the entire test.

This test clearly demonstrates the superior performance that Thermo-Gel® provides versus Class A foam.

	Side A (Foam)	Side B Thermo-Gel 200L	
After 2 min	Shows signs of pre-heating	Full protection	
Within 3 min	Eaves ignite and begin burning	Full protection	
4 min	Glass window pane cracks	Window pane stayed intact over duration of test	
3 to 7 min	Water needs to be applied repeatedly to prevent house from burning too rapidly	No action needed No signs of charring	
After 10 min	Fire inside the wall	No hot spots No signs of impingement	
End of test	Structure lost	Structure saved and fully intact	