



NC9283
06CA56344

December 7, 2006

Mr. Tony Fernando
Bonpet Canada U.S.A. Corporation
5226 Micmac Crescent
Mississauga, ON
L5R 2C8

Subject: Use of Fire Extinguisher Test Facility -
Bonpet Fire Extinguishing Demonstration

Dear Mr. Fernando:

This is regarding the fire extinguishing demonstrations conducted at our facility on November 29, 2006.

Enclosed is the video recording of the Bonpet demonstrations conducted on November 29, 2006. The following is a description of these demonstrations and the results observed. As you are aware, the following does not indicate acceptance by Underwriters' Laboratories of Canada nor does it imply any Listing or certification by ULC. The observations are provided for information only and do not represent the opinion or judgement of ULC regarding the performance of the product.

A plywood enclosure, supplied by Bonpet, measuring 71-3/4 inches in width, 79 inches in length and 77-1/2 inches in height, with an opening in the front of 51-1/4 inches in width and 65-3/4 inches in height, was used in the demonstrations.

Demonstration 1

A one-liter Bonpet ampoule unit was mounted 58-1/4 inches from the floor in the center of the wall opposite the opening. A piece of paper dipped in gasoline was ignited and placed at the back of the enclosure under the Bonpet unit. At 10, 20, 35 and 60 seconds after the ignition of the paper, approximately one cup of gasoline/diesel fuel mixture was thrown into the enclosure, which was ignited by the flame from the paper. At 65 seconds from ignition of the paper, the Bonpet unit activated. The flaming was extinguished on the walls and ceiling of the enclosure, with a residual flame left on the floor of the enclosure, which was manually extinguished.

...../2



Underwriters' Laboratories of Canada

Page 2
December 7, 2006
Mr. Tony Fernando

Demonstration 2

A piece of paper dipped in gasoline was ignited and placed at the back of the enclosure opposite the enclosure opening. At 6, 17, and 30 seconds after the ignition of the paper, approximately one cup of gasoline/diesel fuel mixture was thrown into the enclosure, which was ignited by the flame from the paper. At 37 seconds from ignition of the paper, a one-liter Bonpet ampoule unit was thrown against the back wall of the enclosure. The flaming was extinguished on the walls and ceiling of the enclosure, with a residual flame left on the floor of the enclosure, which was manually extinguished.

Demonstration 3

A piece of paper dipped in gasoline was ignited and placed at the back of the enclosure opposite the enclosure opening. At 10, 20, and 31 seconds after the ignition of the paper, approximately one cup of gasoline/diesel fuel mixture was thrown into the enclosure, which was ignited by the flame from the paper. At 41, 50 and 60 seconds from ignition of the paper, approximately one cup of solution (6 parts water to one part Bonpet liquid agent) was manually thrown on the flames in the enclosure. All flaming was extinguished within the enclosure.

Demonstration 4

A one-liter Bonpet ampoule unit was mounted 58-1/4 inches from the floor in the center of the wall opposite the opening. A piece of paper dipped in heptane was ignited and placed at the back of the enclosure under the Bonpet unit. At 8, 14, 20, 26 and 34 seconds after the ignition of the paper, approximately one cup of heptane was thrown into the enclosure, which was ignited by the flame from the paper. At 37 seconds from ignition of the paper, the Bonpet unit activated. The flaming was extinguished on the walls and ceiling of the enclosure, with a residual flame left on the floor of the enclosure, which was manually extinguished.

Demonstration 5

A 12 inch diameter, 2-1/2 inches deep, cast iron skillet was placed on the floor of the enclosure in front of the enclosure opening. ¼ inch of cooking oil was poured into the skillet with a small amount of heptane to ignite the cooking oil. The heptane and cooking oil were ignited. At 12 seconds from ignition of the skillet fuel, a ½ liter manual spray unit containing the Bonpet liquid agent was used. After approximately 7 pulses of the unit, the fire was extinguished at 33 seconds after ignition.

.... /3

Underwriters' Laboratories of Canada

Page 3
December 7, 2006
Mr. Tony Fernando

This completes Project No. 06CA56344. If we may be of further assistance, please contact us.

Yours very truly,



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Reviewed by:



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Working for a safer world

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