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**UL 94 Vertical Burning Classification Test
of "Superchute™ Fire Rated Black Plastic"**

A Report To: **Superchute**
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3 Pages

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ACCREDITATION Standards Council of Canada, Registration #1.

REGISTRATION ISO 9001-2000, registered by QMI, Registration #001109.

SPECIFICATIONS OF ORDER

Perform flammability classification in accordance with Paragraph 8 of UL 94 Fifth Edition, "Test for Flammability of Plastic Materials for Parts in Devices and Appliances" - 50W (20 mm) Vertical Burning Test; V-0, V-1, or V-2, as per our Quotation No. 08-002-4035 accepted April 10, 2008.

IDENTIFICATION (Bodycote sample identification number 08-002-S0323)

Demolition debris chute material submitted for testing was identified as: "Superchute™ Fire Rated Black Plastic".

SUMMARY OF TEST PROCEDURE

Five test specimens, each 125 x 13 mm, are suspended vertically 300 mm above a horizontal layer of cotton batting and exposed to a specified flame from a laboratory burner for a period of 10 seconds, after which the burner is withdrawn and the afterflame time is recorded. As soon as the afterflame ceases, the procedure is repeated by applying the burner flame for a further 10 seconds.

A material classified 94V-0 shall:

- Not have any specimens with an afterflame time exceeding 10 seconds for either flame application
- Not have a total afterflame time for any set of five specimens exceeding 50 seconds
- Not have an afterflame time plus afterglow time for each specimen after the second flame application exceeding 30 seconds
- Not have any specimen with afterflame or afterglow reaching the holding clamp
- Not ignite the cotton indicator ignited by flaming particles or drops

A material classified 94V-1 or 94V-2 shall have:

- Afterflame times of no greater than 30 seconds for any specimen tested and a total for the five specimens not exceeding 250 seconds
- Not have an afterflame time plus afterglow time for each specimen after the second flame application exceeding 60 seconds
- Not have any specimen with afterflame or afterglow reaching the holding clamp
- For 94V-1 classification, the cotton indicator may not be ignited by flaming particles or drops.

TEST RESULTS**UL 94 - Test for Flammability of Plastic Materials for
Parts in Devices and Appliances****50W (20 mm) Vertical Burning Test - Paragraph 8**

Tested Before Aging: Specimen Conditioning: Minimum 48 hours at 23 ± 2°C and 50 ± 5% RH.

	<u>Afterflame Time (s)</u>		<u>Burns to holding clamp?</u>	<u>Flaming particles ignite cotton?</u>	<u>Glowing time after second application (s)</u>
	<u>First application</u>	<u>Second application</u>			
1:	0.0	0.0	No	No	0.0
2:	0.0	8.3	No	No	0.0
3:	0.0	4.6	No	No	0.0
4:	0.0	0.0	No	No	0.0
5:	0.0	5	No	No	0.0
Total:	17.9				

After Aging (168 hours @ 70°C)

	<u>Afterflame Time (s)</u>		<u>Burns to holding clamp?</u>	<u>Flaming particles ignite cotton?</u>	<u>Glowing time after second application (s)</u>
	<u>First application</u>	<u>Second application</u>			
1:	0.0	5.9	No	No	0.0
2:	0.0	0.0	No	No	0.0
3:	0.0	0.0	No	No	0.0
4:	0.0	10.0	No	No	0.0
5:	0.0	8.9	No	No	0.0
Total:	24.8				

CONCLUSIONS

When tested according to the UL 94 vertical burning test procedure, the material identified in this report meets the criteria to qualify for a 94V-0 classification.

Note: This is an electronic copy of the report. Signatures are on file with the original report.

Robert A. Carleton,
Fire Testing.

Ian Smith,
Fire Testing.

Note: This report consists of 3 pages, including the cover page, that comprise the report "body". It should be considered incomplete if all pages are not present.