

GUARDIAN FIRE TESTING LABORATORIES, INC.

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Testing & Engineering Services
Field Labeling
Inspections, Listing & Labeling

Nov. 18, 2012

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Richard McSorley
Prisum Coatings Canada, Inc.
48 Sluse Rd., Unit 3
Holland Landing, ON Canada L9N2G8

Re: Your P.O.: 513
GL 05-08, Pre E-84 Test On 1-1/4" thick Fire Chief Brown Garden Mulch in metal side frames,
11"+ wide x approximately 18" long; cement board substrate
Test Conducted on 11/18/12 at Hinman Lab, ambient temperature, 56°F, 65% humidity

Guardian #: GL 67912

Test Report Letter

Results: Rating: Probable "A"*; test sample was self extinguishing; see attached density data sheet
Sample conditioned for 3 days @ 70°F ± 5°F, 40% humidity ± 5%

Test Observations Shown In Minutes and Seconds:

0:16	flaming only at torch area
0:30	flaming only at torch area
0:49	flaming only at torch area, no smoke
2:00	very little flame @ torch area
3:00	very little flame, 1/2" concavity @ torch area
4:05	no flames, glowing
5:00	slight glowing, no flames
6:00	no flame, slight glowing
6:40	concavity 3/4"
9:00	no flame, no smoke, concavity 1"
9:30	glowing at torch area
10:00	gas off; test terminated

Photos of test are shown on 4 enclosed pages.

After test notes: Monitored sample for 10 additional minutes. No re-ignition occurred.



R. Joseph Pearson
Fire Testing Engineer

cc: Dr. L. Kumar, P.E., Guardian President
enc.: 4 pages of photos
*0-25 = "A"; 26-75 = "B"; 76-200 = "C"

Certifying Product Reliability Against Fire

Density:

Weight in plastic bag	14.5 oz.
bag weight	<u>-0.5</u>
mulch weight	14.2 oz.

oz/lb \therefore 14.2/16 = 0.89 lbs. of mulch

Volume:

Container: 10.25" x 2.5" x 8" = cubic inches

$10.25/12 \times 2.5/12 \times 8/12 =$ cubic feet
0.85 x 0.21 x 0.67

Volume: 0.12 cubic feet

1.00 cubic feet

0.80 bs = 0.12 cubic feet

"x" lbs. = 1.0 cubic feet

$.89/0.12 = 7.4$ lbs/cubic feet

Density = 7.4 lbs/cubic feet



Before test: Exposed side



Gas On



0:30: Flaming @ torch area only: no smoke



0:49 Flaming @ torch area only no smoke



1:19: No flame spread beyond torch area concaving



2:00: Very little flame at torch area



3:00: Little flame; 1/2" concavity



5:00: No flames; glowing



6:40: Slight glowing; no flame or smoke: concavity 3/4"



9:00: View from torch end showing glow in concavity of 1"



10:00: Gas off; test terminated



20:00: Test sample 10 minutes after gas off