



SGS U.S. Testing Company Inc.

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CLIENT: PALRAM INDUSTRIES, LTD
Ramat Yohanan 30035
Israel
Amir Sade

Test Report No:	170558-9	Date:	September 23, 2002
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SAMPLE ID: The Client submitted and identified the following test materials as Palruf/Agtuf 0.8 mm Corrugated PVC sheets.

DATE OF RECEIPT: Entered into SGS USTC sample tracking system on August 13, 2002 as STN 35183.

TESTING PERIOD: August 27, 2002.

AUTHORIZATION: Client's Purchase Order No. 90354.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-01, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

TEST RESULTS:	<u>Flame Spread</u>	<u>Smoke Density</u>
	20	340

For detailed results see page 3.

* See observations on page 3.

Tested by

Brian Ortega
Test Technician

Signed for and on behalf of
SGS U.S. Testing Company Inc.

Greg Banasky
Supervisor Fire Technology

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PREPARATION AND CONDITIONING: The sample material was submitted in three pieces, 24" wide by 96" long, conforming to test chamber dimensions. The sample was supported during testing by 2" hexagonal mesh poultry netting running the length of the test chamber and 1/4" round metal rods placed at two foot intervals across the width of the test chamber.

Prior to testing, the specimen was placed in the conditioning room (maintained at 73.4 ± 5° F and a relative humidity of 50 ± 5%) and allowed to reach moisture equilibrium.

SUMMARY OF ASTM E84 RESULTS: Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5.

Table with 3 columns: SAMPLE IDENTIFICATION, FLAME SPREAD, SMOKE DENSITY. Row 1: Palruf/Agtuf 0.8 mm Corrugated PVC sheets, 20, 340

*See observations on page 3.

In order to obtain the Flame Spread Classification, the above results should be compared to the following table:

Table with 3 columns: NFPA CLASS, UBC CLASS, FLAME SPREAD. Row 1: A, I, 0 through 25; Row 2: B, II, 26 through 75; Row 3: C, III, 76 through 200

BUILDING CODES CITED:

- 1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 1994 Edition.
2. Uniform Building Code, 1994 Edition, Chapter 8, Interior Finishes, Sections 801-807.



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E 84 TEST DATA SHEET:

CLIENT: Palram Industries, LTD **DATE:** 8/27/02

SAMPLE: Palruf/Agtuf 0.8 mm Corrugated PVC sheets

THICKNESS: 0.8 mm nominal

FLAME SPREAD:

IGNITION: 25 seconds

FLAME FRONT: 4.5 feet maximum

TIME TO MAXIMUM SPREAD: 1 minute, 30 seconds

TEST DURATION: 10 minutes

CALCULATION: 41.40 X 0.515 = 21.31

SUMMARY: FLAME SPREAD: 20 SMOKE DENSITY: 340

OBSERVATIONS: Sample surface ignition occurred at 25 seconds. A maximum flame front advance of 4.5 feet was observed at 1 minute, 30 seconds.



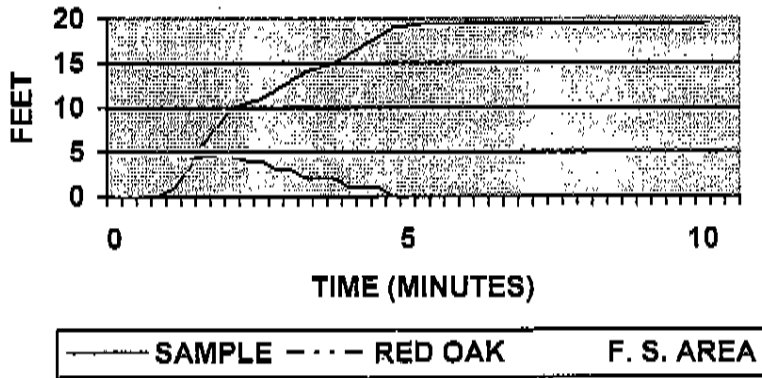
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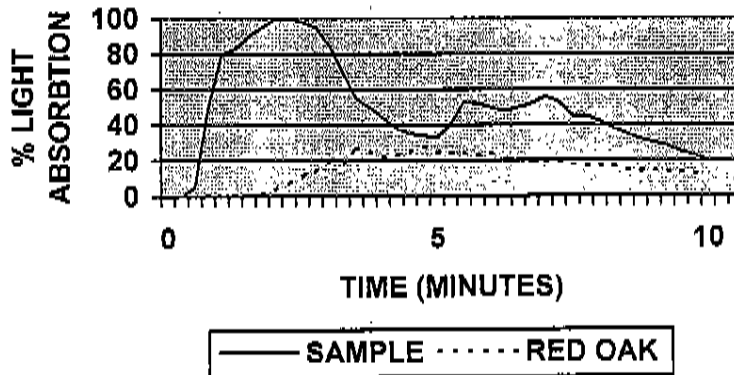
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FLAME SPREAD PALRUF/AGTUF 0.8MM CORRUGATED PVC SHEET



SMOKE DEVELOPED PARUF/AGTUF 0.8MM CORRUGATED PVC SHEET



End of Report

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