



REPORT

3933 US ROUTE 11 CORTLAND, NEW YORK 13045

Order No. 100131320

Date: June 17, 2010

REPORT NO. 100131320CRT-001

REFLECTANCE TEST OF
FIVE CEILING SAMPLES

RENDERED TO

ACCOUSTIC CEILING PRODUCTS LLC
PO BOX 1581
APPLETON, WI 54912-1581

DATA REQUESTED

Reflectance test on one dual color fabric sample per ASTM E1477-2008 was requested by the client.

AUTHORIZATION

This test service was authorized by signed quote number 500224662.

STANDARDS USED

ASTM E1477: 2008

Test Method for Luminous Reflectance Factor of Acoustical
Materials by Use of Integrating-Sphere Reflectometers

SAMPLES SUBMITTED

The client submitted at least one sample of five different ceiling tiles. The samples were received by Intertek on June 1st, 2010 in an undamaged condition, and tested as received.

DATE OF TEST

June 15th, 2010

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<u>Equipment Used</u>	<u>Model Number</u>	<u>Control Number</u>	<u>Last Calibration Date</u>	<u>Calibration Due Date</u>
HunterLab Spectrophotometer	ColorQuest II	E311	02/10/10	02/10/11

TESTS AND TEST METHODS

Spectral Reflectance Measurements

Spectral reflectance tests of the samples were conducted with a HunterLab ColorQuest II Spectrophotometer. The system was configured for D65 Illuminant, Diffuse geometry, 10 degree standard observer. The system was calibrated with the standard plates supplied with the system. The calibration of the plate standards is traceable to the National Institute of Standards and Technology.

The test samples were measured for chromaticity and reflectance factor per ASTM E1477-2008. One layer of each material was placed on the sample port of the ColorQuest II system and covered by flat black plate. Measurements were taken on four locations on each sample. The average values were reported.

RESULTS OF TESTS

<u>Sample Number</u>	<u>Client's Designation</u>	<u>Percent Luminous Reflectance</u>
J10T001	SMOOTH PRO	84.6
J10T002	CLASSIC PRO	78.6
J10T003	STUCCO PRO	84.2
J10T004	PRINTED PRO	82.8
J10T005	CONTOUR PRO	74.6

STATEMENT OF UNCERTAINTY

The reflectance uncertainty is 1%.

The uncertainties were calculated by quadratically adding the uncertainties of the NIST traceable Standards, the manufacturer's equipment uncertainties and the ITS Testing Services transfer uncertainties.



CONCLUSION

The results tabulated in this report are representative of the actual test samples submitted for this report only. The data is provided to the client for further evaluation. Compliance to the referenced specification requirements was not determined in this report.

In Charge Of Tests:

A handwritten signature in black ink that reads "Jeffrey Davis".

Jeffrey Davis
Associate Engineer
Lighting Division

Attachment: None

Report Reviewed By:

A handwritten signature in black ink that reads "David Ellis".

David Ellis
Senior Project Engineer
Lighting Division