February 13, 2020

Coat Zone Inc
21011 Hegar Road
Hockley, TX 77447 USA

Our Reference: 4789072767 / SV31460
Energy Efficiency Testing on
"ThermalBlock"

Dear Mr. McNeice,

This is a Report summarizing the results of tests conducted under the Verification Services (VS) program of UL LLC (UL) as Project No. 4789072767. Testing was conducted on a paint designated by the manufacturer as "ThermalBlock" per the following standards:

- ASTM C1549 Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer – Publication Date: 11/01/2016
- ASTM C1371 Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers – Publication Date: 03/01/2015

The attached test results constitute the only report provided to you under this investigation. These results relate only to the items tested. The samples utilized in this investigation were neither prepared nor selected by a UL representative such that no verification of composition can be provided.

Summary of Test Results

Materials were tested to ASTM C1549 and ASTM C1371 in an as-received condition.

Product Model		Solar Reflectance	Thermal Emittance
ThermalBlock		0.89	0.87

The issuance of this Report in no way implies Listing, Classification or Recognition by UL and does not authorize the use of UL Listing, Classification or Recognition Marks or any other reference to UL on or in connection with the product or system. This test report and data are intended solely for your internal use. You cannot use this test data or UL's name or marks in connection with any product, packaging, advertising, promotion or marketing without UL's prior written permission. In no event shall UL be responsible to anyone for whatever use or nonuse is made of the information contained in this Report and in no event shall UL, its employees or its agents, incur any obligation or liability for damages, including, but not limited to, consequential damages arising out of or in connection with the use, or inability to use, the information contained in this Report.

Very truly yours,

Steven Cuculich
Senior Project Engineer
Building Materials & Systems

Company Name:	Coat Zone Inc.
City, State:	Hockley, TX

Project:	4789072767
File:	SV31460
Project Handler:	Steven Cuculich

Sample Tag:	2465658
Sample Location:	NBK_FP-5D-BASEMENT CAGE-1-I-2
Sample Disposal:	Return samples to storage after testing

Model Name/Number:	Coating

UL Batch #1 Identification:	"A", followed by the test specimen number
Description:	A1-A5 Batch 20-104

CRRC:	Yes
Energy Star:	No
TGFE:	No

Product Type:	Field-Applied Coatings
Variegated:	No
Target Thickness (mil):	18.00
Sample Test Stage:	Initial

Solar Reflectance Test Method:	ASTM C1549

Thermal Emmittance Test Method:	ASTM C1371

Thickness Test Method:	ASTM D7091
-- Upper Limit (mil):	21.60
-- Lower Limit (mil):	14.40

UL Batch #2 Identification:	"B", followed by the test specimen number
Description:	B6-B9 Batch 20-110

Company Name:	ECoat Zone Inc
City, State:	Hockley, TX

Project:	4789072767
File:	SV31460

Test Lab:	UL LLC
Lboratory Location:	Northbrook, IL

Sample Tag:	2465658
Model Number:	Coating
Batch Identifications:	'A' and 'B'
Sample Test Stage:	Initial

Test Date:	2020-02-10
Lab Temperature (°C):	28.6
Lab Relative Humidity (%):	16

Test Conducted By:	Denver Leturno
Reviewed By:	Steven Cuculich

Thickness Test Method:	ASTM D7091
-- Upper Limit (mil):	21.60
Target Thickness (mil):	18.00
-- Lower Limit (mil):	14.40
Return samples to storage after testing	

Sample ID:	**A1**	**A2**	**A3**	**A4**	**A5**
Reading	Thickness (mil)	Thickness (mil)	Thickness (mil)	Thickness (mil)	Thickness (mil)
- 1 -	18.80	20.00	17.00	17.80	18.10
- 2 -	19.80	17.40	15.50	17.80	16.70
- 3 -	20.20	17.10	15.90	16.80	16.50
- 4 -	17.80	17.10	16.50	15.00	16.10
- 5 -	17.40	18.10	16.00	18.20	16.80
Average Thickness (mil):	**18.80**	**17.94**	**16.18**	**17.12**	**16.84**

Sample ID:	**B6**	**B7**	**B8**	**B9**	**Average Thickness (mil)**
Reading	Thickness (mil)	Thickness (mil)	Thickness (mil)	Thickness (mil)	
- 1 -	20.40	17.80	18.80	20.10	
- 2 -	18.90	18.40	17.60	19.00	
- 3 -	18.00	20.10	17.70	19.50	
- 4 -	16.50	16.60	14.90	16.90	**17.62**
- 5 -	16.30	17.90	15.30	17.60	
Average Thickness (mil):	**18.02**	**18.16**	**16.86**	**18.62**	

Company Name:	Coat Zone Inc
City, State:	Hockley, TX

Project:	4789072767
File:	SV31460

Test Lab:	UL LLC
Lboratory Location:	Northbrook, IL

Sample Tag:	2465658
Model Number:	Coating
Batch Identifications:	'A' and 'B'
Sample Test Stage:	Initial

Test Date:	2020-02-10
Lab Temperature (°C):	28.6
Lab Relative Humidity (%):	16

Test Conducted By:	Denver Leturno
Reviewed By:	Steven Cuculich

Solar Reflectance Test Method:	ASTM C1549
Thermal Emmitance Test Method:	ASTM C1371

Return samples to storage after testing

Sample ID:		A1
Reading	Solar Reflectance	Thermal Emittance
- 1 -	0.891	0.860
- 2 -	0.889	0.860
- 3 -	0.890	0.860
Average:	0.890	0.860

Sample ID:		A2
Reading	Solar Reflectance	Thermal Emittance
- 1 -	0.888	0.860
- 2 -	0.886	0.860
- 3 -	0.888	0.860
Average:	0.887	0.860

Sample ID:		A3
Reading	Solar Reflectance	Thermal Emittance
- 1 -	0.886	0.850
- 2 -	0.883	0.860
- 3 -	0.884	0.860
Average:	0.884	0.857

Sample ID:		A4
Reading	Solar Reflectance	Thermal Emittance
- 1 -	0.888	0.860
- 2 -	0.886	0.870
- 3 -	0.887	0.870
Average:	0.887	0.867

Sample ID:		A5
Reading	Solar Reflectance	Thermal Emittance
- 1 -	0.887	0.870
- 2 -	0.883	0.880
- 3 -	0.886	0.870
Average:	0.885	0.873

Sample ID:		B6
Reading	Solar Reflectance	Thermal Emittance
- 1 -	0.890	0.860
- 2 -	0.887	0.870
- 3 -	0.886	0.880
Average:	0.888	0.870

Company Name:	Coat Zonel Inc.
City, State:	Hockley, TX

Project:	4789072767
File:	SV31460

Test Lab:	UL LLC
Lboratory Location:	Northbrook, IL

Sample Tag:	2465658
Model Number:	Coating
Batch Identifications:	'A' and 'B'
Sample Test Stage:	Initial

Test Date:	2020-02-10
Lab Temperature (°C):	28.6
Lab Relative Humidity (%):	16

Test Conducted By:	Denver Leturno
Reviewed By:	Steven Cuculich

Solar Reflectance Test Method:	ASTM C1549
Thermal Emmitance Test Method:	ASTM C1371
Return samples to storage after testing	

Sample ID:		B7
Reading	Solar Reflectance	Thermal Emittance
- 1 -	0.889	0.870
- 2 -	0.887	0.880
- 3 -	0.886	0.880
Average:	0.887	0.877

Sample ID:		B8
Reading	Solar Reflectance	Thermal Emittance
- 1 -	0.889	0.870
- 2 -	0.885	0.880
- 3 -	0.885	0.880
Average:	0.886	0.877

Sample ID:		B9
Reading	Solar Reflectance	Thermal Emittance
- 1 -	0.891	0.860
- 2 -	0.884	0.880
- 3 -	0.888	0.870
Average:	0.888	0.870

Average Solar Reflectance:	**0.89**
Average Thermal Emittance:	**0.87**

Department 3019FPD Instrument Calibration Tracking
Procedure: CRRC_ENERGY STAR (ANALYTICAL)

Test Dates: 2020-02-10

File Number: SV31460 Assignment Number: 4789072767
Customer: EPSCOT

Software:

FPD ID / LEM ID	Description	Version	Version Date
2F05DPP/34112	Software/Multi-range	1.1.0	2008-10-03

Instruments

FPD ID / LEM ID	Description	Range	Last Cal	Next Cal
143F11TE/71141	TEST EQUIPMENT	100	2018-11-06	2023-11-30
144F11TE/71102	TEST EQUIPMENT	100	2018-11-06	2023-11-30
241F11MD/71101	MEASURING DEVICE	0-40 mils	2019-03-29	2020-03-31
83F11THI/74159	TEMP./HUMIDITY INDICATOR	0-100	2020-01-22	2021-01-31
25F25THI/21449	TEMP./HUMIDITY INDICATOR	Multi-range	2020-01-31	2021-01-31

- END OF REPORT -