



## TEST REPORT

### Solar Reflectance Measurement According to ASTM C1549

### Product Identification: "HPX Coating" Heat Reflecting Coating

Prepared For:

Green Earth Tek PR. LLC  
Calle B Lote 8 Mata de Platano Industrial Park  
Highway PR 992  
LUQUILLO, PR 00773  
Puerto Rico

**TEST REPORT NUMBER: RD22168**

**DATE OF REPORT: February 18, 2022**

A handwritten signature in black ink, appearing to read 'Stuart Ruis', written over a horizontal line.

Stuart Ruis  
President

R & D Services, Inc.  
209 Tennessee Blvd.  
P.O. Box 163  
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USA

The test results in this report apply only to the specimens tested. This report shall not be reproduced, except in full, without written approval of R & D Services, Inc. This report must not be used by the client to claim product endorsement by R & D Services, Inc., IAS, or any other organization.



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<b>TEST REPORT PREPARED FOR</b>
<b>Green Earth Tek PR. LLC</b>
<b>DATE OF TEST</b>
<b>February 16, 2022</b>
<b>R&amp;D SERVICES WORK ORDER NUMBER</b>
<b>2133W220210-027</b>
<b>R&amp;D SERVICES PRODUCT NUMBER</b>
<b>220210-002</b>
<b>MANUFACTURE DATE OF SPECIMENS</b>
<b>Unknown</b>

#### **SAMPLE IDENTIFICATION**

Heat reflecting coating identified as "HPX Coating".

#### **SAMPLING INFORMATION**

The material was received by R&D Services, Inc. in Watertown, TN on February 10, 2022. No evidence of sampling was provided.

#### **TEST METHOD**

ASTM C1549-16, "Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer"

#### **SUMMARY OF TEST RESULTS**

The average observed solar reflectance for the material tested was 0.882.

#### **CONDITIONING OF SPECIMEN**

The specimens were conditioned a minimum of 24 hours at  $73.4 \pm 1.8$  °F ( $23 \pm 1$  °C), and  $50 \pm 5$  % relative humidity before testing.



**TEST METHOD PROCEDURE**

The measurement of solar reflectance in accordance with ASTM C1549 was completed using a solar reflectometer built by Devices and Services Company. The reflectometer was calibrated prior to use. The solar reflectance measurements were made in a conditioned laboratory space. Unless otherwise stated, all test surfaces were cleaned to remove dirt or any other blemishes prior to testing.

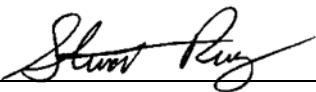
**TEST RESULTS**

<b>High Reflectance Calibration</b>	0.866
<b>Low Reflectance Calibration</b>	0.000
<b>Air Mass</b>	1.5 E
<b>Test Temperature (°F)</b>	69
<b>Test Humidity (%RH)</b>	50

<b>Specimen Description</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>Average</b>	<b>Standard Deviation</b>
<b>220210-002</b>	0.882	0.885	0.880	0.882	0.003

**UNCERTAINTY**

The average 95% repeatability & reproducibility over the range of specimens measured in an interlaboratory study is given in Section 9 of ASTM C1549-16. The 95% repeatability is 0.04 and the 95% reproducibility is 0.01.

  
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 Reviewed By:

February 18, 2022  
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 Date: