



## PRI Construction Materials Technologies LLC

6412 Badger Drive  
Tampa, FL 33610  
813.621.5777  
<https://www.pri-group.com/>

### Laboratory Test Report

**Report for:** Jason Rochester  
Stepstone, LLC  
17025 South Main St.  
Gardena, CA 90248

**Product Name(s):** Cal Arch Paver Pebble #1824 Light Sandblast

**Project No.:** 2806T0001

**Dates Tested:** March 20, 2025

**Test Methods:** ASTM C 1371  
ASTM C 1549  
ASTM E 1980

**Results Summary:** Solar Reflectance: 0.329  
Thermal Emittance: 0.93  
SRI (Medium-Wind): 37

---

**Purpose:** Determine the solar reflectance, thermal emittance, and solar reflectance index value(s) of the tested product(s).

**Test Methods:** The test methods used included ASTM C 1549-16: *Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Reflectometer* and ASTM C 1371-15: *Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers*. Thermal emittance measurement for samples was modified in accordance with Devices and Services Company's Tech Note 04-1. Both of these methods are Energy Star, Leadership in Energy and Environmental Design (LEED), and Cool Roof Rating Council (CRRC) approved methods for determining radiative properties.

The solar reflectance index (SRI) was calculated in compliance with ASTM E 1980-11: *Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces*.

---

#### 2806T0001.11

The laboratory test results presented in this report are based on the material(s) supplied and tested. The results, and by extension any statements of conformity, opinions, or interpretations, apply the "simple acceptance" decision rule for measurement uncertainty accounting. This report is for the exclusive use of stated client. Only the client is authorized to permit copying or distribution of this report and then only in its entirety. PRI Construction Materials Technologies LLC assumes no responsibility nor makes a performance or warranty statement for this material or products and processes containing this material in connection with this report.

**Sampling:** The following materials were received by PRI.

<b>Product</b>	<b>Source</b>	<b>Date</b>	<b>Sampling</b>
Cal Arch Paver Pebble #1824 Light Sandblast	Gardena, CA	Mar. 17, 2025	Stepstone, LLC

**Results:**

**ASTM E 1980**

	Solar Reflectance		Thermal Emittance		SRI		
	ASTM C 1549 <sup>1</sup>		ASTM C 1371 <sup>2</sup>		ASTM E 1980 <sup>3</sup>		
	Avg.	Std.Dev.	Avg.	Std.Dev.	Low-Wind	Med-Wind	High-Wind
One (1) Specimen As Received Test @ 73.4±1.8°F & 50±5%RH	0.329	0.007	0.93	0.00	37	37	37

Note(s):

- 1- Reflectance measurements were conducted using a Devices and Services SSR-ER Version 6.4 Reflectometer operated in v5 emulation mode and calibrated with Devices and Services Reference Tile # D-18.
- 2- Emittance measurements were conducted using a Devices and Services Emissometer Model AE calibrated with Devices and Services Reference Standards: High Emittance: 0.86 and Low Emittance: 0.06. Thermal emittance measurement for sample was modified in accordance with Devices and Services Company's Tech Note 04-1.
- 3- SRI calculations per ASTM E 1980 Approach II utilize the following assumptions: Low-Wind  $h_c = 5 \text{ W/m}^2\text{-K}$ , Medium-Wind  $h_c = 12 \text{ W/m}^2\text{-K}$ , and High-Wind  $h_c = 30 \text{ W/m}^2\text{-K}$ .

**Statement of Attestation:** The Solar Reflectance Index of these samples was calculated in accordance with **ASTM E1980: Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces**. The laboratory test results presented in this report are representative of the materials supplied.

**Signed:**

  
 Anthony Catlett  
 Manager

**Date:**

March 20, 2025

**Report Issue History:**

Issue #	Date	Pages	Revision Description (if applicable)
Original	03/20/2025	2	NA

**END OF REPORT**

2806T0001.11

The laboratory test results presented in this report are based on the material(s) supplied and tested. The results, and by extension any statements of conformity, opinions, or interpretations, apply the "simple acceptance" decision rule for measurement uncertainty accounting. This report is for the exclusive use of stated client. Only the client is authorized to permit copying or distribution of this report and then only in its entirety. PRI Construction Materials Technologies LLC assumes no responsibility nor makes a performance or warranty statement for this material or products and processes containing this material in connection with this report.