



Suitability Test Report

Issued To:
perkEpave LLC
418 Wilson St
Pottstown, PA 19464
USA

Standard:
ASTM D2859(2021): Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials.

System Name:
Multiple perkEpave Systems
Date of Suitability Testing Dec 28, 2023
Report Number 2859-120823-01-01
Pages 8

Effective Jan 1, 2023 – ASET has removed suggested retest dates from our reports. Every product involves materials that change over time. The older a report is, the less likely it is to reflect the current performance. Regular retesting and quality control programs help insure that performance reports accurately represent the current product. Specifiers should choose the maximum age of reports that will be accepted.

ASTM D2859 Results

Note: Results were obtained from a single sample and considered indicative of expected performance.

Product Name→	1:1 Mix – Walk, Run, Tree Pit	3:1 Mix - Ride, Drive Park	0:1 Mix Play Safe
Result	No Ignition Pass	No Ignition Pass	Minor Surface Ignition Burn Radius 0.375 in Pass

Notes:

1 – This document contains enhanced digital and duplication security features. More information can be found on our website: www.asetservices.com/blog.

2 – This report contains 8 pages, and may not be used for commercial purposes unless it is reproduced in its entirety.

To: perkEpave LLC
418 Wilson St
Pottstown, PA 19464
USA

Subject: Suitability test carried out on pervious surface system according to ASTM D2859 (issue 2021)

ASET Services, Inc was commissioned by PerkePave LLC, USA to conduct suitability testing of the Multiple perkEpave Systems surfaces.


A single 14 inch diameter x 2 inch thick sample of each system was provided for testing.

The date of the testing was Dec 28, 2023.


1) System Construction Summary

The sample was constructed using the following materials and construction methods.

System1:

<p>Name: 1:1 Mix – Walk, Run, Tree Pit</p>	<p>1 part stone to 1 part rubber blend in an MDI binder</p> <p>Rubber- 5/9 mesh granulated wire free recycled tires</p> <p>Stone: 1/8" – 1/4" kiln dried stone</p> <p>Binder MDI Moisture Cured Binder</p>
<p>Photo:</p>	

System2:

Name: 3:1 Mix – Ride, Drive, Park	3 part stone to 1 part rubber blend in an MDI binder Rubber- 5/9 mesh granulated wire free recycled tires Stone: 1/8" – 1/4" kiln dried stone Binder MDI Moisture Cured Binder
Photo:	

System3:

Name: 0:1 Mix – Play Safe

Rubber blend in an MDI binder

Rubber- 5/9 mesh granulated wire free recycled tires

Binder MDI Moisture Cured Binder

Photo:



2) Testing Procedures

Testing was conducted using a modified version of ASTM S2859 (2021) designed to ignition characteristics of a surface in a laboratory setting. The testing climate was 70 F, 42% relative humidity.

Modification Summary:

- A single sample was used thus results are informative and considered indicative of the performance of the surface.

Requirements:

- System must self-extinguish after the pill stops burning.
- The system can not burn more than 3.5 inches out from the center in any direction.

3) Test Results

The following table contains a summary of the testing and findings.

Product 1



Product 2



Product 3



Result
No Surface Ignition
Pass

Result
No Surface Ignition
Pass

Result
Minor Surface Ignition
Burn Radius 0.375 in
Pass

4) Conclusions

The individual sample of each of the submitted Multiple perkEpave Systems surfaces described in previous sections were found to produce the stated ignition characteristics as defined in ASTM D2859 (2021).

Testing and report generation was performed by Paul W. Elliott, Ph.D., P.E. of ASET Services, Inc.

I hereby certify that the results presented in this report were obtained on the sample as described, on said date and are believed to be accurate representations of the performance of these surface systems.

Paul W Elliott

Date: Jan 9, 2024

Paul W Elliott, PhD, PE

