

Technical Specifications for Sofscape Rubber Pavers

- 1. Product Name:** Sofscape Pavers
- 2. Manufacturer:** Sofscape Caribe Inc.
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3. Product Description

Sofscape Pavers are designed for a wide range of applications that included playground surfacing, walking trails, and recreational areas. The impact attenuation properties of the Sofscape Pavers can reduce the injuries related to falls in playground and/or recreational areas. Sofscape Pavers are compliant with the Americans With Disabilities Act (A.D.A) requirements and with the guidelines of the Consumer Product Safety Commission (C.P.S.C).

Each rubber pavers is molded in a hexagonal shape, 9-1/8 inches from flat to flat, and 2 inches of thickness. Two Sofscape Pavers cover the area of one square foot.

4. Materials

Sofscape Pavers are manufactured with crumb rubber from disposed tires (SBR, Styrene Butadiene Rubber) and a weather resistant polyurethane polymer resin.

During the molding process the top layer of the Sofscape Pavers is pigmented with one of several color options such as: Black, Green, Gray and Red.

Sofscape Pavers are latex-free.

5. White Speckles on Surface: Recycled Crumb Rubber from post-consumers tires contains up to 15% of white speckles. The white speckles occurs industry-wide on rubber-molded products made from post-consumers tires. The appearance of the white speckles does not affect the safety and accessibility properties of the rubber pavers. The white speckles appear in the course of wear of the surface.

6. Chemical Limitations

Some chemicals can cause damage to the rubber pavers that are constantly exposed to them, such as: gasoline, diesel fuel, acids, and highly concentrated chlorine bleach.

7. Technical Data

Applicable Testing Standards – American Society for Testing Materials (ASTM)

- **ASTM F-1951-99**
Determination of Accessibility of Surface Systems Under and Around Playground Equipment.
The average work force per lbs/in values measured lower when propelling the wheelchair over the Sofscape Pavers, than when propelling the wheelchair over a flat surface with a grade of 7.1%.
The material met the requirements of the ASTM F-1951-99.
- **ASTM F-1292-04**
Impact Attenuation of Surface Systems Under and Around Playground Equipment
STANDARD SPECIFICATION FOR IMPACT ATTENUATION
Optimum Drop Height: 4 ft.

<u>Drop Height (at 23°C)</u>	<u>g-Max</u>	<u>HIC</u>
3 ft	128	525
4 ft	156	799
5 ft	189	1205

Note: The G-Max and HIC (Head Impact Criteria) for proper Impact Attenuation of Surface Systems Under and Around Playground Equipment should be below 200 for g-Max and below 1000 for HIC.

- **ASTM D395-97**
COMPRESSION SET TEST
Average Percentage of Compression Set: 7.65%
- **ASTM C67-94**
COMPRESSIVE STRENGTH
Average Compressive Strength: 86 psi
- **ASTM D2240-86**
HARDNESS
Average Hardness (Shore “A” Durometer) 48
- **ASTM D2632-88**
RESILIENCE BY VERTICAL REBOUND
Average Value: 33

8. Installation

Sofscape Pavers can be installed on existing surfaces such as concrete or asphalt. In addition, Sofscape Pavers can be installed over aggregate material per manufacturers instructions. For a complete installation guideline contact Sofscape Caribe, Inc.

9. Maintenance and Surface Recoating

The following coatings can be used for surface maintenance:

- Pittsburgh Paints (PPG) V50-410 Break-Trough
- Sherwin-Williams Armorseal Tread-Plex SW6094

10. Warranty

Sofscape Pavers are warranted to be free from manufacturing defects for a period of five (5) years from the date of delivery or pick-up from the manufacturing plant. All installations must follow the installation guideless, and the crew of Sofscape and/or designee may inspect any claim at the installation site. The manufacturer reserves the right to change the design, materials, or specifications to improve the product properties and/or processing at any time without notice.

