



Product Data Sheet

Playground Protective Safety Surfacing System

Play Flecks®
Product Data Sheet
rev 090826

PRODUCT DESCRIPTION

Play Flecks® is an innovative patented safety surfacing system comprised of Flecks® granulated thermoplastic rubber mixed with an aliphatic urethane binder as a wear course, combined with the thermoplastic foam cushioned base, EnviroFluff®. Play Flecks® is a totally seamless safety surface designed for playground applications.

Play Flecks® is light stable/UV resistant, recyclable, resistant to cracking in freeze-thaw environments, and designed for impact attenuation performance. Colors may be blended to create custom color blends, patterns, and designs.

SYSTEM COMPONENTS

Component	Product	Description
Wear Course	Flecks® TPR	1-2mm granulated thermoplastic rubber (TPR)
Wear Course Binder	UltraBond™ Single Component Aliphatic Urethane	Binder used with Flecks® TPR granules in dry play applications
Primer (Cushion Layer & Hard Substrates)	Flecks® Primer	Single Component Aromatic primer applied to hard substrates and EnviroFluff® cushion base layer
Cushion Layer	EnviroFluff®	Thermoplastic foam cushion base
Cushion Layer Binder	EnviroFluff® Single Component Aromatic Urethane Binder	Binder used with EnviroFluff® ground particles in dry play applications

PHYSICAL PROPERTIES

Property	Listed Value
Elongation	300%
Tensile Strength	25 mPa
Hardness Shore A	65
Density	0.90 g/l

MECHANICAL PROPERTIES

- Compression Set: Excellent
- Rebound Rating: Excellent
- Flexural, Crack Resistance: Good to Excellent
- Shrinkage Resistance: Excellent
- Abrasion Resistance: Good
- Tear Resistance: Good
- Impact Resistance: Excellent
- Flame Resistance: Good

Flecks Systems, Inc.

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TECHNICAL PROPERTIES

Property	Specification / Value
Particle Size	1mm – 2mm
Composition	TPR (Thermoplastic Rubber)
Deck Flecks® & Play Flecks® Wear Course Mixing Ratio	45 lb. bag to 4 quarts of Flecks® UltraBond™ Aliphatic Urethane Binder
Play Flecks® Spread Rate	27 sq. ft. per bag at 1/2-inch thickness
EnviroFluff® Mixing Ratio	22 lb. bag to 3 quarts EnviroFluff™ Aromatic Urethane Binder
EnviroFluff® Spread Rate	1 lb. per sq. ft. at 1-inch thickness

ENVIRONMENTAL RESISTANCE

- Thermal Shock: Excellent
- Ozone Resistance: Excellent
- UV Resistance / Light Stability: Excellent
- Chlorinated Water Resistance: Fair
- Oxidization Resistance: Good
- Chemical Resistance: Good
- Radiation Resistance: Good
- Non-Leaching: Excellent

COLORS & DESIGN

Play Flecks® is available in multiple colors that can be blended to create color combinations, patterns, and designs. Refer to the current Flecks® color chart for available colors.

INSTALLATION

Play Flecks® shall be installed as a complete poured-in-place system by Flecks® trained installers in accordance with current Flecks Systems, Inc. installation procedures. System thickness shall be selected according to the required Critical Fall Height and applicable tested system configuration.

PERFORMANCE / TESTING

Play Flecks® system performance shall be documented by laboratory testing and project-specific performance requirements. ASTM F1292 documentation applies to impact attenuation and Critical Fall Height of the complete systems. Play Flecks® systems have been laboratory tested for impact attenuation in accordance with ASTM F1292. Refer to current Flecks® laboratory reports for specific tested configurations and values.

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Play Flecks® may be evaluated in the field using ASTM F3313 to determine installed impact attenuation performance. Field testing provides a means of evaluating the installed surface under actual site conditions and may be used for project acceptance, quality control, or ongoing performance evaluation. ASTM F3313 does not establish Critical Fall Height and does not replace ASTM F1292 certification.

Play Flecks® is designed, specified, installed, and maintained with consideration of the principles and recommendations contained in ASTM F2479, *Standard Guide for Specification, Purchase, Installation and Maintenance of Poured-in-Place Playground Surfacing*.

WARRANTY & MAINTENANCE

Refer to current Flecks Systems, Inc. warranty and maintenance documentation for applicable warranty terms, limitations, maintenance procedures, and repair requirements.

IMPORTANT NOTICE

The technical information, product properties, performance data and coverage rates stated in this Product Data Sheet are based on manufacturer product information. Actual field performance may be affected by substrate conditions, training, installation, environmental conditions/exposure, maintenance, use and other site-specific factors. Always use the most current Flecks Systems, Inc. installation instructions and technical documentation.

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