



Product Specifications

Product: **Shade Cloth** (Fusion/Triax)

Manufacturer: Xccent Play

Product Description

Xccent Play Shade Cloth is a high quality, heavy-duty knitted shade fabric specifically for tension structures such as the Fusion and Triax play systems.

Material

Yarn UV Stabilized HDPE
 Construction Monofilament & tape
 Pattern Lock-stitch knitted
 Temperature range -22° F to +167° F

Features

Strong HDPE fabric won't rot or absorb moisture.
 Heat-set to reduce shrinkage.
 10 Year UV degradation warranty on fabric.

Usage Instructions

Do not use against flames.
 Contact with organic solvents, halogens or highly acidic substances may reduce the service life of the fabric and will void the warranty.

Properties

Nominal fabric mass 10.5 oz/sq. yd
 (ASTM D3776-1985) (340 gsm)
 Approximate thickness 63 mils

Performance

Tensile strength – Warp 173 lbs.
 Elongation at break 101%
 Tensile strength – Weft 414 lbs.
 Elongation at break 46%
 (ASTM D5034-1995 – grab test)
 Tongue Tear – Warp avg. 46.1 lbs.
 Tongue Tear – Weft avg. 35.7 lbs.
 (ASTM D2261-1996)
 Trapezoidal tear – Warp avg. 84.8 lbs.
 Trapezoidal tear – Weft avg. 159 lbs.
 (ASTM D5587-2003)
 Bursting pressure (mean) 457 psi.
 (ASTM D3786-2001)
 Bursting force (mean) 432 lbf.
 (ASTM D3787-2001)

Flammability

Tested to AS 1530 Part 1 & 2
 Tested to NFPA 701-99 Method 2
 Tested to ASTM E84-00

Color	Cover Factor	Avg. % Transmission	Shade Factor	Avg. UVR Transmission	Avg. PAR Transmission	% UVR Block
Aquatic Blue	96.7%	11.9%	88.2	5.8%	13.8%	94.2%
Brunswick	97.4%	4.4%	95.6	3.1%	4.8%	96.9%
Cherry Red	94.9%	19.0%	81.0	9.0%	21.9%	91.0%
Desert Sand	96.5%	15.8%	84.2	5.2%	19.0%	94.8%
Natural	94.5%	21.1%	78.9	4.9%	25.9%	95.1%
Navy Blue	96.4%	4.3%	95.7	3.2%	4.7%	98.8%
Deep Ochre Red	95.4%	5.6%	94.4	3.3%	6.2%	96.7%
Rivergum Green	95.7%	14.2%	85.8	7.0%	16.3%	93.0%
Sky Blue	95.2%	5.3%	94.7	3.2%	5.9%	96.8%
Steel Grey	97.3%	8.1%	91.9	3.3%	9.5%	96.7%
Turquoise	97.6%	10.4%	89.6	4.6%	12.2%	95.4%
Yellow	94.6%	23.0%	77.0	6.7%	27.7%	93.2%

Avg. % Transmission = Average % transmission within the 290-770nm spectrum
 Avg. UVR Transmission = Average % transmission within the 290-400nm spectrum
 Avg. PAR Transmission = Average % transmission within the 408-770nm spectrum



Safety Standards & Guidelines

All public playground equipment supplied shall meet all applicable provisions of the current “Handbook for Public Playground Safety” published by the Consumer Product Safety Commission (CPSC), Canadian Standards Association (CSA) Z614, and of ASTM F1487 “Standard Consumer Safety Performance Specification for Playground Equipment for Public Use,” published by the American Society for Testing and Materials (ASTM). Products bearing the certification seal of the International Play Equipment Manufacturers Association (IPEMA) have received written validation of compliance with ASTM 1487.

Product Changes

Xccent Play reserves the right to make changes on any product released and/or published in our annual catalog and other promotional or technical literature.

SAFETY

Xccent Play’s dedication to excellence goes beyond making equipment safe. We strive to make every angle of play on our products a safe as possible experience.

Xccent Play equipment is validated for safety by third-party laboratories. Xccent Play is a member of IPEMA – The International Play Equipment Manufacturers Association. IPEMA is a member based international trade organization that promotes and ensures safety on the playground. In the interest of playground safety, IPEMA provides a Third Party Certification service where by a designated independent laboratory validates a manufacturer's certification of conformance to the ASTM F1487, Standard Consumer Safety Performance Specification for Playground Equipment for Public Use, except sections 7.1.1, 10 & 12.6.1; CAN/CSA Z614, Children’s Play spaces and Equipment, except clauses 9.8, 10 & 11; or both.

The use of the corresponding logo in Xccent’s Installation Guide signifies that Xccent has received written validation from the independent laboratory that the product associated with the use of the logo conforms with the requirements of the indicated standard. Check the IPEMA website (www.ipema.org) to confirm product validation.



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The test results presented herein are typical averages from independent testing and quality assurance testing and are not to be taken as a minimum specification nor as forming any contract between Xccent Play and another party. Due to continuous product improvement, product specifications are subject to alteration without notice.