

FibarSystem 100 playground surfacing is designed for use in desert-like climates, requiring little to no drainage. The patented system is composed of **Fibar® Engineered Wood Fibers** and our exclusive **FibarFelt** geotextile fabric. No other recreational surfacing provides a better combination of [safety, accessibility](#), 15-year warranty and ease of installation at a comparable cost. To preserve your warranty, **FibarMat** wear mats must be installed under all swings, tire swings, slide exits, and sliding poles. When properly installed, Fibar safety surfacing meets the [final guidelines of the access board](#) in accordance with the Americans with Disabilities Act.

SYSTEM	DESCRIPTION	CRITICAL HT.	USE
112	12" Fibar Fibar Felt	12'	Playground
110	10" Fibar, Fibar Felt	10'	Playground
108	8" Fibar, Fibar Felt	8'	Playground
106	6" Fibar, Fibar Felt	N/A	Jogging Track
ALL	Minimum 36" x 36" x 1.5" Fibar Mat		Playground

Note: Depth measurements are approximate after compaction

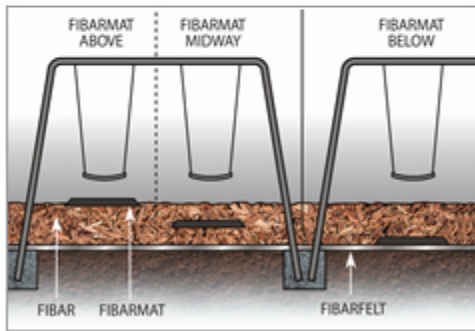


Figure 1

Note: Diagrams are not to scale. For illustration purposes only.

ABOVE GROUND INSTALLATION DETAILS

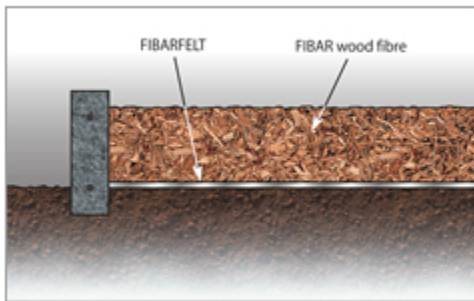


Figure 2

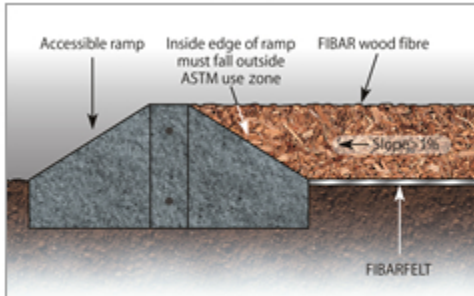


Figure 3. *Note: Entrance and exit ramps into the Fibar surface should have a minimum slope of 1 in 12 or must meet current ADA, state or local regulations.*



[FibarMat](#) wear mats help to preserve your warranty.



Fibar safety surfacing [complies with ADA accessibility standards.](#)

Specifications | FibarSystem 100

These specifications were current at the time of publication but are subject to change at any time without notice. Please confirm the accuracy of these specifications with The Fibar Group LLC or its authorized representative prior to installation.

FibarSystems are unique playground surface products, the creation and origination of which are covered by one or more patents owned by The Fibar Group LLC. Award contractors must obtain a license from The Fibar Group LLC prior to construction.

FibarSystem 100 comes with a 15-year warranty.

SPECIFICATIONS			
SYSTEM	DESCRIPTION	CRITICAL HEIGHT	USE
112	12" Fibar® , FibarFelt , FibarMat	12'	Playground
110	10" Fibar , FibarFelt , FibarMat	10'	Playground
108	8" Fibar, FibarFelt, FibarMat	8'	Playground
106	6" Fibar , FibarFelt	NA	Jogging Track

Depth measurements are approximate after compaction.

PART 1: GENERAL

A license to construct a Fibar System according to these specifications must first be obtained from The Fibar Group LLC, as licensor of patent rights reflected in U.S. Patent numbers 4,679,963; 5,026,207 and 5,076,726 and other patents pending.

Note: To preserve warranty, FibarMat wear mats must be installed under all swings, tire swings, and slide exits. They should also be installed at other excessive wear areas, including sliding poles.

- 1.1 Provide **FibarSystem** Playground Safety Surface in areas indicated on plans.
- 1.2 Provide safety surface immediately after installing playground equipment.
- 1.3 **FibarSystems** and **FibarMats** are available from Local Representative:

Name: _____

Phone: _____

Or directly from The Fibar Group LLC, Suite 300 , 80 Business Park Dr., Armonk , NY 10504 1705. You can call 1-800-342-2721 or (914) 273-8770 or email fibar@fibar.com.

PART 2: MATERIALS

- 2.1 Provide **FibarSystem** No. _____ (choose system), **Fibar® Engineered Wood Fiber** to a compacted depth of approximately ____ inches over FibarFelt (100% polyester, non-woven geotextile fabric) (minimum flow rate of 10 gpm/ft).
- 2.2 The amount of Fibar® Engineered Wood Fiber necessary to provide the approximate depth after compaction is as follows:

Depth Quantity

- | | |
|-----|---|
| 8" | 38 cubic yards per 1,000 sq. ft. of playground area |
| 9" | 42 cubic yards per 1,000 sq. ft. of playground area |
| 10" | 46 cubic yards per 1,000 sq. ft. of playground area |
| 11" | 48 cubic yards per 1,000 sq. ft. of playground area |
| 12" | 50 cubic yards per 1,000 sq. ft. of playground area |
- 2.3 Provide one (1) **FibarMat** (minimum size: 36" x 36"x 1.5" with a 2" beveled edge on all sides) under each swing seat, tire swing, slide exit, and sliding pole. Double and triple slides may require multiple FibarMats. Total quantity required is _____.

PART 3: QUALITY CONTROL

- 3.1 Surfacing shall be IPEMA-certified Engineered Wood Fiber. Standard wood chips, bark mulch, or material manufactured from recycled pallets **will not be acceptable**.
- 3.2 Supplier must provide test results for Engineered Wood Fiber and **FibarMats** for impact attenuation in accordance with ASTM F 1292 *Standard Specification for Impact Attenuation for Surface Systems Under and Around Playground Equipment*. Results must be provided for new material and for 12-year old Engineered Wood Fiber material.
- 3.3 Testing of Engineered Wood Fiber in accordance with ASTM F 1292 must show G-max values of less than 155G for the 8" thick system, or 120G for the 12" system at 12' drop heights, and HIC values of less than 1,000 for both new and 12-year-old material.
- 3.4 Testing of **FibarMats** in accordance with ASTM F 1292 must show G-max values of less than 200G, and HIC values of less than 1,000 for a 3' drop height.
- 3.4.5 Supplier must provide test results for the Engineered Wood Fiber in accordance with ASTM F 2075 *Specification for Engineered Wood Fiber for Use as Playground Safety Surface Under and Around Playground Equipment*.
- 3.5 Supplier must provide test results in accordance with ASTM F 1951 *Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment*.
- 3.6 Supplier must certify that the surface meets the intent of the *Americans with Disabilities Act* (ADA).
- 3.7 Supplier must provide written manufacturer's 15-year warranty against loss of resiliency, lifetime warranty on **FibarFelt** fabric material.
- 3.8 Supplier must provide product liability insurance certificate with project owner named as certificate holder, prior to delivery.
- 3.9 In Canada, supplier must meet CSA guidelines.

PART 4: INSTALLATION

- 4.1 Install the **FibarFelt**, **FibarMats**, and the **Fibar® Engineered Wood Fiber** in accordance with manufacturer's instructions and specification drawings.
- 4.2 Avoid contamination of the **Fibar Engineered Wood Fiber** with sand, gravel, mud, or native soil.



The Fibar Group LLC is a member of IPEMA, the International Play Equipment Manufacturers Association. IPEMA is a member-driven organization whose mission is to assist in providing creative, fun, and safe play environments for children.

© 2010 The Fibar Group LLC

U.S. Patent Nos. 4,679,963; 5,026,207 & 5,076,726.