

# Fibar® System 300

## Installation

### PLEASE NOTE:

In accordance with standard design and construction practices, The Fibar Group, LLC and its Representatives recommend using the services of a certified engineer, architect, or landscape architect who is familiar with local soil and climate conditions to evaluate and interpret any information provided by The Fibar Group, LLC and its Representatives.

The Fibar Group, LLC assumes no responsibility for determining the size of the playground or the Use Zone between the equipment and the border. Installer must thoroughly examine the site and specifications, carefully checking the dimensions before starting work.

All instructions are subject to equipment manufacturers' installation specifications.

Read Fibar System 300 Specifications, Installation and Maintenance Instructions, all available from The Fibar Group, LLC ☎ 800-342-2721 or ☎ 914-273-8770 or email [info@fibar.com](mailto:info@fibar.com) or contact your local Representative.

### A. IN-GROUND INSTALLATIONS

1. Excavate area to proper depth, based on Critical Fall Height, with a minimum 1% downward grade to ensure proper drainage to FibarDrain strip. It is not recommended that a Fibar System be installed on a grade greater than 10%. All roots, stones, and vegetation must be removed.
2. The area should be well-compacted and accurately graded, especially in areas where additional fill has been brought in.
3. Cut a trench 2" wide by 6" deep all along the inside edge perpendicular to the grade and install FibarDrain strip. Connect low end of FibarDrain strip to storm drain or similar device to take water collected from the playground away from the site. (See Figure 5).

### B. IN-GROUND (Cont.) & ABOVE-GROUND INSTALLATIONS

4. Install playground equipment.
5. Install retaining border, if required.
6. ADA Wheelchair Access Ramp must be installed to ensure compliance with federal accessibility standards.
7. Cut FibarDrain strips and lay them on 6' centers in direction of grade.
8. Cover sub-grade with FibarFelt geotextile. Overlap all seams 3". Make sure to cover the trench and FibarDrain in step #3 (if applicable). It will be necessary to slit the FibarFelt to fit around the footings of the equipment. Where possible, overlap all slits with next piece of FibarFelt.
9. **IMPORTANT:** With an indelible marker, **mark off all the legs** of the equipment with the compacted System design depth.
10. Spread Fibar Engineered Wood Fiber, using a Bobcat or a small front-end loader. Operator should be careful not to travel on the FibarFelt Geotextile or turn sharply on the wood fiber. It will also be necessary to use hand labor to spread. To allow for natural compaction, we supply additional material. **Important: Install all the wood fiber delivered.** The fiber will be several inches above grade or border until it compacts. Feather the edges to make a smooth transition to existing grade or border.
11. Hand-rake for a smooth & level finished surface. Natural compaction will occur over time and is dependent

on the amount of playground use and environmental conditions. To accelerate the compaction process, Fibar Engineered Wood Fiber can be mechanically compacted at an additional cost. The Fibar can be compacted in the accessible route to the equipment or the entire surface area. To mechanically compact the Fibar, install in 5" lifts using a plate compactor or other mechanical device. Change direction 90 degrees between each layer. Optional: Wet the surface before compacting. Repeat these steps until the desired level finished thickness is achieved. This accelerated compaction method, without wetting the surface, was used in the laboratory for the ASTM F1951 test procedure

12. Install FibarMat wear mats on top of the Engineered Wood Fiber. To preserve your warranty, reduce maintenance, and to help ensure compliance with ADA accessibility standards, FibarMat wear mats must be installed at all heavy-use areas including swings, tire swings, slide exits, and sliding poles. FibarMat wear mats are available through your local Fibar Representative.
13. After two weeks of active use, surface should be raked again.
14. *For complete information on Use Zones, contact the Consumer Product Safety Commission (CPSC) and ASTM.*
15. See Fibar System 300 Maintenance Instructions for requirements with respect to inspections, raking, top-off, and other maintenance advice.



### Compliance with Federal Law.

To prevent displacement of the Fibar in high-use areas, FibarMat wear mats must be installed under all swings, tire swings, slide exits, and all other wear areas, including sliding poles. This will help to ensure compliance with federal accessibility standards.



### WARNING

**Incorrect installation or maintenance**, failure to install all the materials delivered, failure to maintain original design depth, failure to use FibarMat wear mats at slide exits, under all swings and tire swings (except enclosed or tot swings), other wear areas (a wear area is any area in the playground where the surface depth falls below the System design depth for the playground surface), use of the Fibar System and/or materials with others not provided by The Fibar Group, LLC, abnormal use, lack of proper maintenance, or vandalism can result in serious injury or death. Be aware that no playground surface can prevent all accidents or injuries.



### WARNING

**Winter Conditions.** Should there be moisture retention in the Fibar System, it will freeze when the temperature drops below the freezing mark. Please check your surface frequently in winter weather. When the surface is frozen, the impact attenuation properties of Fibar are lost and for this reason, the play area should not be used.



### Reread the Installation and Maintenance Instructions periodically.

If at any time you are concerned about the surface and its performance, please contact us at ☎ 800-342-2721 or ☎ 914-273-8770 or email [info@fibar.com](mailto:info@fibar.com).