



# Customer Information Package

FREQUENTLY ASKED QUESTIONS.....	1
SYSTEM SPECIFICATIONS.....	3
WEAR MAT SPECIFICATIONS.....	4
AGGREGATE DRAIN INSTALLATION INSTRUCTIONS.....	5
STRIP DRAIN INSTALLATION INSTRUCTIONS.....	6
MAINTENANCE REQUIREMENTS.....	7

12830 Britannia Road, Milton, ON. L9E 0V3  
Tel: 905-203-0816 Fax: 905-203-0817  
andy@fibertop.ca www.fibertop.ca

## FREQUENTLY ASKED QUESTIONS

For questions not addressed here, please call our help line at (904) 203-0816.

### WHAT IS FIBERTOP®?

FIBERTOP is an impact absorbing, recreational surfacing product comprised of 100% natural wood fiber used in conjunction with a companion filtering and drainage system.

### HOW IS IT MADE?

FIBERTOP's virgin wood fibers are processed through a special grinding, screening and blending system that produces a clean uniform chip with optimal fiber content. FIBERTOP is soft enough to be safe (fall attenuation) and firm enough to be accessible (matting).

### WHAT ARE ITS ADVANTAGES?

FIBERTOP Impact Surfacing produces impressively high performance results on impact attenuation tests making it one of the most desirable systems available. FIBERTOP's wood fibers naturally mat together to form a consistent layer that provides barrier-free access for wheelchairs and other mobility devices. FIBERTOP systems install within hours minimizing disruption to play time and can even be installed by the do-it-yourselfer. FIBERTOP is 100% Canadian and is backed by a comprehensive warranty and product liability insurance.

### DOES FIBERTOP® COMPLY WITH PERFORMANCE AND ACCESSIBILITY STANDARDS?

Yes. FIBERTOP complies with CAN/CSA Z614 for impact attenuation and exceeds all Canadian and US Standards. FIBERTOP is IPEMA certified product that is being annually tested by TÜV SÜD America Inc. to meet ASTM F1292-09 (Fall Attenuation), ASTM F2075-10a (Foreign Contamination and Hazardous Metals). FIBERTOP is an accessible product and has been tested to meet ASTM F1951-09b standard for Accessibility of Surface Systems Under and Around Playground Equipment.

### HOW LONG WILL FIBERTOP® LAST?

FIBERTOP systems are warranted for 25 years provided maintenance and drainage requirements are performed and the system has been installed in accordance with the installation instructions. FIBERTOP's wood fibers are specially selected, decay resistant wood species. They start out life in a clean, dry and pest free condition.

### DOES FIBERTOP® BURN?

After installation and compaction, FIBERTOP is virtually impossible to ignite. Where fires have occurred on playgrounds with FIBERTOP installations, the surface has not ignited, even when burning components have fallen onto the surface. The matted consistency of FIBERTOP lacks the oxygen content required to sustain fire.

### IS THERE A DANGER OF SPLINTERS?

Splintering is sometimes a perceived problem with wood fiber surfacing. With FIBERTOP, this is not the case. In order to sustain a splinter, an individual's skin must be abraded against a fixed surface. FIBERTOP moves with the body.

### IS MOLD OR MILDEW A PROBLEM?

Mold and mildew are associated with poor playground drainage or locations with poor air circulation. Poor drainage is addressed by installing one of our drain systems:

Fibertop Inground 612AD Aggregate Drain (technical drawings);

Fibertop Aboveground 612SD Strip Drain (technical drawings).

We also recommend that the play area is maintained in such way that sunlight and air circulation are prevalent.

### WHAT ARE FIBERTOP® WEAR MATS?

FIBERTOP Wear Mats measure 36"x 36"x 2" and 48"x 48"x 2.5" and are made of high quality, recycled rubber with an integrated, recycled foam core. They are used in areas where kick-out can occur such as slide exits and under swing seats. They can be buried in the middle or placed on top of the wood fiber layer.

While preserving impact attenuation, they act as an indicator to maintenance staff that raking or topping-up is required.

## FIBERTOP SYSTEM SPECIFICATIONS

1. **Manufacturer or Agent**  
Playcare & Design Inc.  
12830 Britannia Rd.  
Milton, ON. L9T 7G5  
www.fibertop.ca / andy@fibertop.ca
2. **Impact Surfacing**  
Engineered Wood Fiber Impact Surface: Fibertop®
3. **Composition: Fibertop®**  
Recently harvested North American hardwood and softwood which may include Maple, Oak, Ash, Beech, Poplar, Hickory, Birch, Pine, etc. and comprised of virgin “off-the-log” material only.
  - a. Free of soil, leaves, twigs or other contaminants, which could hasten decomposition.
  - b. Free of any chemical treatments and/or additives.
  - c. Free of recycled wood from pallets or construction debris.
  - d. Free of tramp and heavy metals.
4. **Dimensions**
  - a. Randomly sized.
  - b. Approximately 10 times longer than wide.
  - c. 80% of dimensions: Maximum of 4cm long, 1.3cm wide and 3.25cm deep.
  - d. Gradation, sieve analysis, ASTM 136, cumulative passing by weight
    - 1) ¾” sieve: 99%
    - 2) 3/8” sieve: 95%
    - 3) No.16 sieve 3%
  - e. Sized to promote drainage.
5. **Properties**
  - a. Coefficient of permeability, ASTM D2434; Greater than 0.6cm.
  - b. Moisture absorption: maximum of 150% by weight.
  - c. Moisture content: 25% to 60% by weight.
  - d. Density: 15 to 24 lbs per cubic foot.
  - e. Impact attenuation: ASTM 1292, Procedure C: 8” thickness rated to 8” and 12” thickness rated to 12”.
  - f. Accessibility: tested compliant with ASTM 1951
  - g. Product quality: tested compliant with ASTM 2075-10 – Engineered Wood Fiber Standard.
6. **Compliance**
  - a. Complies with CAN/CSA-Z614
  - b. Complies with ASTM F1292-09, F355, F1951-09b, F2075-10a.
7. **Installation**
  - a. Refer to system specification installation instructions supplied with the Fibertop® product.
  - b. Precaution: dust or fibers may cause eye, skin & respiratory irritation. If ventilation is unavailable or inadequate during installation, use NIOSH-certified disposable or reusable particulate respirator with an efficiency rating of N95 or higher.

**Note:** Fibertop contains no controlled substances. MSDS documentation is not required for this product.

## Fibertop Wear Mat SPECIFICATIONS: Anchored and non-anchored

1. **Composition**
  - a. Elongated SBR rubber buffings combined with a urethane binder.
  - b. Colour – black.
  - c. Adhesive: waterproof single-component, 100% solids, polyurethane.
2. **Dimensions**
  - a. Minimum 0.375 inch (9.5mm) thick and 2 inches (50mm) thick.
  - b. Mats for slide exits - 48"x 48"x 2.5".
  - c. Mats for swings exits – 36"x 36" x 2".
  - d. All sizes available with optional Duckbill anchoring system.
3. **Properties**
  - a. Freeze thaw, ASTM C67: No deterioration.
  - b. Rubber deterioration/air oven, ASTM D573; No deterioration.
  - c. Slip resistance: ASTM E303 – Dry 102, Wet 62. ASTM D2047 – Dry 0.81, Wet 0.82.
  - d. Compression deflection, ASTM D1667; 29.5 psi (2.1kgs/sq.cm) to 25% compression.
  - e. Compression set, ASTM D395; 4.37% permanent set.
  - f. Tensile strength, ASTM D412: 107 psi (7.5kgs./sq.cm).
  - g. Elongation at break, ASTM D412: 165%.
  - h. Tear strength, ASTM D624: 33.1 psi (2.3kgs/sq.cm)
  - i. Wear surface density (durability): 60 pcf (96.1kg/cu.m) minimum.
  - j. Flammability: Burning pill, ASTM D2859: Pass.
4. **Compliance**

Compliant with ASTM F1292-09 when used in conjunction with 300 mm of Fibertop engineered wood fibre safety surfacing.
5. **Installation**

Refer to system specific installation instructions supplied with the Fibertop® Wear Mats product.

## INSTALLATION INSTRUCTIONS

### Systems 608AD AND 612AD – Aggregate Drain Systems

Please follow your equipment manufacturer's instructions for the surfacing area required. When retrofitting a Fibertop® System to an existing playground where the equipment manufacturer's instructions are not available, follow CSA and ASTM standards for required safety zones. Playcare & Design Inc. and Fibertop® Representatives assume no responsibility for the determination of safety surface dimensions.

You may choose Playcare & Design Inc. or one of its authorized contractors to install your Fibertop® System. We can install most above ground systems in less than a day with minimal disruption to your playtime. Our blower trucks can transfer material to difficult access areas such as fenced-in or rooftop playgrounds. Your Fibertop® Representative can explain all the installation options available to you. Should you decide to install your Fibertop® System yourself, please use the following instructions to preserve the Fibertop® warranty.

#### Above and In-ground Aggregate Drainage Installations:

Refer to the equipment manufacturers specifications to determine the surfacing area required.

1. Add 3" to the depth of your excavation or the height of your retaining wall to allow for the aggregate drainage layer. Total system thickness will be 11" for 608AD and 15" for 612AD. Provide a 2% grade change over the sub-surface area to the desired direction of drainage.
2. Compact the soil in disturbed areas and around equipment footings.
3. Trench the low end or the entire perimeter of the play area to allow installation of the perimeter tile drain to collect water. The perimeter tile drain is **not** part of the Fibertop® System and is **not** supplied. It is recommended that an architect or drainage contractor be consulted for advice on drainage of water away from the play area.
4. Cover the entire area with Fibertop® filter cloth. Carefully cut and fit the filter cloth around equipment footings and overlap all seams by 6". Duct tape may be used to hold the filter cloth in place under windy conditions.
5. Apply a minimum 3" thick layer of ½" to ¾" clear stone to the entire area and rake level.
6. Cover the entire area again with Fibertop® Filter Cloth.
7. Install the Fibertop® wood fiber using the wheelbarrow or small loader device being careful not to disturb the filter cloth or drainage layer. For immediate accessibility, proceed as follows: Cover the area with 50% of the material supplied and compact using a hand roller or plate tamper. Evenly spread the remaining 50% and rake the area smooth. Perform a finish wetting down and compacting to achieve a consistent surface.
8. In order to preserve your warranty, Fibertop® Wear Mats must be installed under all swing seats and slide exits. Fibertop® Wear Mats should be buried halfway through the depth profile.

## Installation Instructions

### System 612SD - Strip Drain System

**Note:** Strip drain systems are not recommended for in-ground applications. FIBERTOP® system 612SD is intended for use on play areas that are situated on top of hard surfaces such as asphalt or concrete.

Please follow your equipment manufacturer's instructions for the surfacing area required. When retrofitting a FIBERTOP® system to an existing playground where the equipment manufacturer's instructions are not available, follow C.S.A. and A.S.T.M. standards for required safety zones. Playcare Inc. and FIBERTOP® representatives assume no responsibility for the determination of safety surface dimensions.

You may choose Playcare Inc.® or one of its' authorized contractors to install your FIBERTOP® system. We can install most above ground systems in less than a day with minimal disruption to your play time. Our blower trucks can transfer material to difficult access areas such as fenced-in or roof top playgrounds. Your FIBERTOP® Representative can explain all the installation options available to you.

Should you decide to install your FIBERTOP® system yourself, please use the following instructions to preserve the FIBERTOP® warranty.

### Above ground Installations (only):

Refer to the equipment manufacturers specifications to determine the surfacing area required.

1. Install FlexTimbers® (optional) or other suitable retaining wall around the perimeter of the play area using the connecting, galvanized spikes that come with the optional FlexTimber® system.
2. Thoroughly clean the asphalt or concrete surface.
3. Cut and lay the FIBERTOP® Drain Strips at 6' centres in the direction of the fall. An optional adapter is available to attach the drain strips to a standard 4" drainage pipe so that water can be directed to a nearby catch basin or drainage swale. It is recommended that an architect or drainage contractor be consulted for advice on drainage away from the play area.
5. Cover the entire area with FIBERTOP® filter cloth. Carefully cut and fit the filter cloth around equipment footings and overlap all seams by 6". Duct tape may be used to hold the filter cloth in place under windy conditions.
6. Install the FIBERTOP® wood fiber using a wheelbarrow or small loader device being careful not to disturb the filter cloth or drain strips. For immediate accessibility, proceed as follows: cover the area with 50% of the material supplied and compact using a hand roller or plate tamper. Evenly spread the remaining 50% and rake the area smooth. Perform a finish wetting down and rolling to achieve a consistent surface.
7. In order to preserve your warranty, FIBERTOP® wear mats must be installed under all swing seats and slide exits. FIBERTOP® wear mats should be buried just below the surface of the wood fiber.

## FIBERTOP ENGINEERED WOOD FIBER MAINTENANCE REQUIREMENTS

### DAILY

Conduct a visual inspection of the entire playground area. Remove all contaminants and foreign materials such as garbage, glass, sticks, etc. (Reference CAN/CSAZ614).

### WEEKLY

1. Rake the Fibertop® as necessary to keep a sufficient depth throughout the play area. Pay particular attention to areas under swings and slides where heavy foot traffic may tend to displace material.
2. Rake the Fibertop® as necessary to keep the material level in accordance with accessibility requirements.
3. Use a leaf blower or broom to clean the entire surface of any contaminants such as leaves, seeds, dirt, etc. In addition, keep play equipment, edges and surrounding grass and hard surfaces clean of any displaced Fibertop® material.

### MONTHLY

1. Check Fibertop® depths in all play structure use zones. Use surfacing height markings on equipment if available or use a measuring probe to obtain actual depth levels. Ensure that the depth is sufficient for a fall height of the structure (Reference CAN/CSAZ614). Equipment footers and play areas over hard surface such as concrete and asphalt must have a minimum of 300mm (12 inches) of Fibertop® material as required.
2. Check depth of material under Fibertop® Wear Mats as well as anchoring (if applicable). Top up Fibertop® as necessary and replace any loose or broken anchoring fasteners as necessary.
3. Check that any Fibertop® Wear Mats are in good condition without any broken, frayed or cracked areas. Also check that mats are properly positioned with wear mats installed midway in the system depth profile. This will eliminate trip hazards.
4. Check entire playground areas for weeds, excessive moisture, unwanted vegetation or growth. Take corrective measures as necessary. Standing water, unwanted vegetation or growth are possible indicators of a malfunctioning drainage system and may lead to a decreased life expectancy of the Fibertop® material.