Sof'Fall™
ENGINEERED WOOD FIBER

SPECIFICATIONS

Sof'Fall Engineered Wood Fiber contains 100% virgin softwoods and/or hardwoods, consisting of randomly sized wood fibers, the majority of which do not exceed 1.5" in length, and contain 10% to 20% fines to aid in compaction and cohesion. (it is generally understood that the manufacturing process allows a few oversized pieces.)

Wood Fiber product intended for playgrounds must certify non-toxic and cannot contain any recycled wood material, pallets, or any wood contaminated with paint, chemicals, preservatives, or additives. The Wood Fiber must contain minimal bark and free of twigs, leaf debris, or any other organic materials, and must certify as non-flammable.

IPEMA CERTIFIED to ASTM F1292
To verify product certification, visit www.ipema.org

IPEMA CERTIFIED to ASTM F2075 4,4/4,8
To verify product certification, visit www.ipema.org

CERTIFICATIONS:

- IPEMA Certified: ASTM F2075
- IPEMA Certified: ASTM F1292, 12 Feet
- Third Party Tested/Passed: ASTM 1951
- Non-Flammable: 16 CFR Part 1630
- Non-Toxic, No Foreign Objects (DTL)

Wood Fiber product depth, after installation, must adhere with procedures and guidelines described in ASTM F1292-04 and meet critical height requirements as set forth by CPSC. IPEMA has established and maintains strict manufacturing and testing procedures to controls the quality, consistency, and impact attenuation of products used for playground surfacing.

The amount of Sof'Fall Engineered Wood Fiber necessary to provide the approximate depth after compaction is as follows:

DEPTH	PLAYGROUND AREA	QUANTITY
8"	Per 1,000 sq ft.	33 cubic yards
9"	Per 1,000 sq ft.	37 cubic yards
10"	Per 1,000 sq ft.	41 cubic yards
11"	Per 1,000 sq ft.	45 cubic yards
12"	Per 1,000 sq ft.	50 cubic yards

25' FALL HEIGHT PROTECTION

10 YEAR WARRANTY

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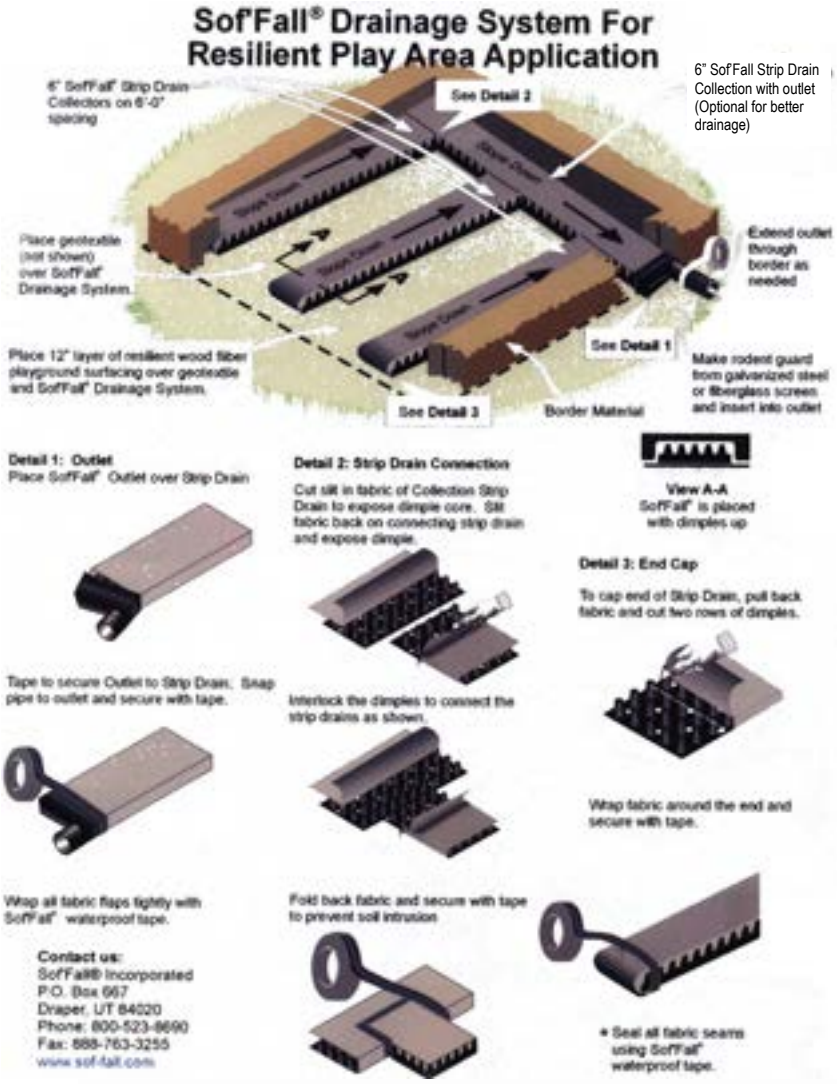
DRAINAGE SYSTEM

To prolong the life of Sof'Fall Engineered Wood Fiber, Sof'Solutions' recommends installing an effective drainage system . However, Sof'Solutions does not specify, dictate or recommend the configuration of an effective drainage system. Sof'Solutions recommends employing the services of a certified engineer or landscape architect familiar with the local soil and climatic conditions to evaluate and specify the appropriate drainage system for the area.



Sof'Fall Drainage is placed beneath the geotextile fabric, and provides for rapid drainage of water from the playground site. For full details and specifications, please visit www.sof-solutions.com.

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ACCESSORIES

SOF'MAT™

Sof'Mats™ are used to limit the displacement of Sof'Fall™ Engineered Wood Fiber in high traffic areas or on fluctuation ramps. When installed under swings, slide exists, and high traffic areas, Sof'Mat provides a durable, resilient and safe surface.

The Sof'Mat should be placed over a minimum of 6" of Sof'Fall Engineered Wood Fiber with 6" of Sof'Fall on top. The Sof'Mat should be placed with the Sof'Fall Engineered Wood Fiber surfacing mounded in the middle of the mat. The corners of the Sof'Mat should be tucked into the Sof'Fall Engineered Wood Fiber to help eliminate tripping hazards.

The Sof'Mat can be cut and secured around poles or supports. Sof'Mat adhesive is required to re-bond the mat together.

Technical Specifications

Weight:	Sof'Mats 4.5 lbs/ft2
Composite:	Recycled rubber crumb bond over a recycled foam sheet.
Colors:	Black
Suggested Application:	4' x 4' under slide exists 3' x 6' under each swing

GEOTEXTILE FABRIC

Geotextile fabric is used in conjunction with Sof'Fall™ Engineered Wood Fiber to separate fiber product from sub-grade and/or drainage system. Geotextile fabric is water permeable and acts as a barrier to hold Sof'Fall in place and prevent drainage system from clogging. Geotextile fabric also restricts weed and vegetation growth.

Installation of Geotextile fabric must accompany Sof'Fall Engineered Wood Fiber on all new installations.

To install the Geotextile fabric, cover sub-grade with fabric supplied by overlapping all seams a minimum of 3" and securing the fabric rings with pliers every one to two feet. It will be necessary to slit the fabric to fit around equipment uprights. Where possible, overlap all slits with next piece of fabric.

Physical Properties

Fiber:	Spun bond Polyester
Thickness:	19 Mils
Weight:	3 oz.
Permeability:	.20cm/sec (256 gallons per min/ft2
Tear Strength:	54 1/2 lbs
Puncture Res:	45 lbs

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INSTALLATION INSTRUCTIONS

IN GROUND/ABOVE GROUND

- Excavate area 12" (for recommended 12" depth) with a 2% grade to ensure proper drainage. It is not recommended to install Sof'Fall on a grade greater than 10%. Remove all rocks, roots, and vegetation from the play area.
- Install retaining border if required
- Compact graded area, especially if additional fill is used
- Install playground equipment
- Install drainage, if applicable. If manufactured drainage is used, place drainage on evenly spaced 6' centers, or as specified by architect, in direction of grade. If manufactured drainage isn't used, place 3" of drainage gravel on a layer of Geotextile fabric and place a second layer of Geotextile fabric over gravel.
- If installing Sof'Fall Drainage System, place the Sof'Fall Outlet over the Strip Drain and tape them together. Snap the pipe to the outlet and secure with tape.
- Wrap all fabric flaps tightly with Sof'Fall waterproof tape. Cut a slit in the fabric of the Collection Strip Drain to expose dimple. Interlock the dimples to connect the strip drain. Fold back the fabric and secure with tape to prevent soil intrusion. To cap the end of the Strip Drain, pull back the fabric and cut two rows of dimples. Wrap the fabric around the end and secure with tape. Be sure to seal all fabric seams with Sof'Fall waterproof tape.
- To install the Geotextile fabric, cover sub-grade with fabric supplied by overlapping all seams a minimum of 3" and securing the fabric rings with pliers every one to two feet. It will be necessary to slit the fabric to fit around equipment uprights. Where possible, overlap all slits with next piece of fabric.

Geotextile fabric is used in conjunction with Sof'Fall™ Engineered Wood Fiber to separate fiber product from sub-grade and/or drainage system. Geotextile fabric is water permeable and acts as a barrier to hold Sof'Fall in place and prevent drainage system from clogging. Geotextile fabric also restricts weed and vegetation growth.

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- Place warning labels on uprights.
- Install the Sof'Fall Engineered Wood Fiber to the proper depth, mounding it in high traffic areas of the playground to allow for compaction. Sof'Fall is delivered on a semitrailer. When access to play area is possible, the truck can unload directly into the play area or stockpile it where specified.
- Spread the Engineered Wood Fiber Surfacing manually. A Bobcat or small front-loader can be used to spread material; however, it is recommended to increase compaction percentage (purchase excess materials) when mechanically compacting material. Install all the material delivered.
- Sof'Fall compaction will naturally occur in about two months after installation, making the surface accessible to all. To provide immediate accessibility, Sof'Fall must be mechanically compacted during installation. Wetting down the initial load will help with compaction.
- Install Sof'Mat rubber mats in the middle of Sof'Fall Engineered Wood Fiber in excessive wear areas such as slide exits, under swings, and sliding poles. Sof'Mats should be placed on 6" of surfacing with another 6" of surfacing on top of the Sof'Mat.
- Surface should be raked for a smooth finish. After two weeks of active use, surface should be racked again.
- Periodic adjustments of Sof'Fall are required under slides, swings and other concentrated use zones. Installing Sof'Mats in these areas will help control displacement in high-use zones.

WARNING: Failure to maintain Sof'Fall at the initial installation depth may result in an injury.

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