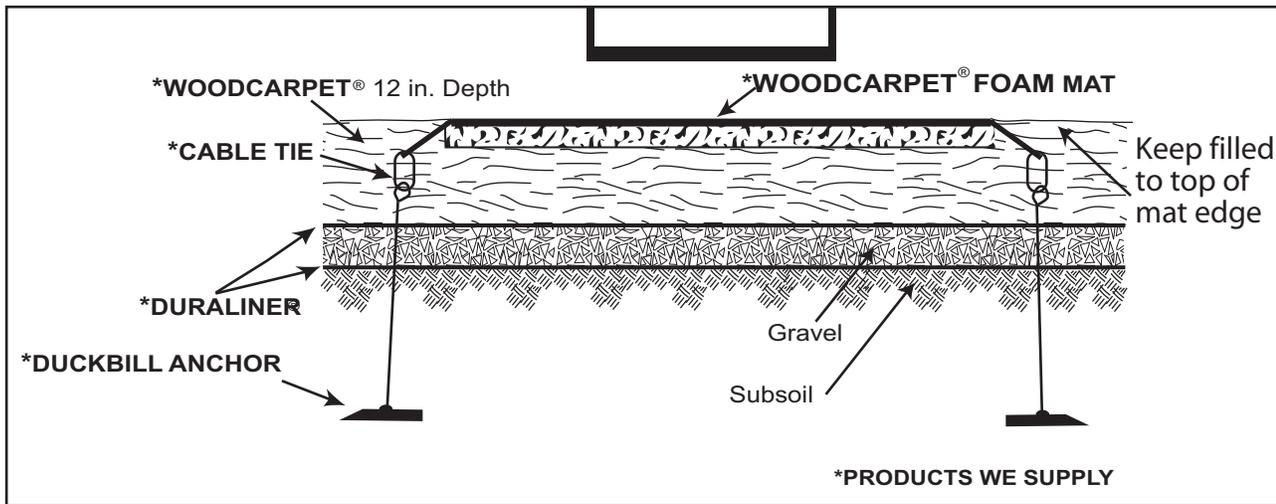


- A. Product Data:** Submit manufacturer's product data, including warranty, maintenance and installation instructions, ASTM F 1292 test results, IPEMA certificate of compliance, and samples. To obtain a certificate, visit [www.ipema.org](http://www.ipema.org), product # WMFL11W.
- B. Manufacturer Qualifications:**
  1. Member of International Play Equipment Manufacturer's Association (IPEMA).
  2. Total Liability Insurance Coverage: \$11,000,000.
  3. Sales Representatives certified by National Playground Safety Institute (NPSI).
- C. Warranty Covers Playground Surfacing for Following Periods:**
  1. Playground Surfacing Wear Mat: 5 years
- D. Manufacturer:**
  1. Zeager Bros., Inc., 4000 East Harrisburg Pike, Middletown, Pennsylvania 17057. Toll Free (800) 346-8524.
  2. Zeager Hardwood Co., 340 Steele Road, Franklin, KY 42134. Toll Free (800) 296-9227.



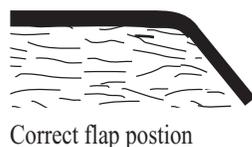
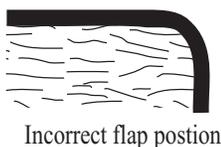
**E. Application:** Kick-out areas on outdoor playground surfaces (ie. swings, spinner toys, and slide exits)

**F. Installation procedure for anchoring the mat on top of the WOODCARPET®:**

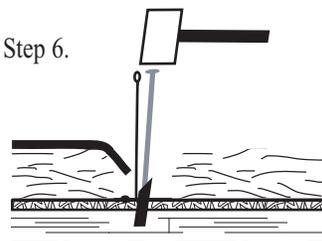
Note: Zeager recommends installing wear mats above the surface to meet ADA standards for accessibility design.

1. In the kick-out area ensure that there is a minimum of 11 in. of Woodcarpet® that is level and compacted. Woodcarpet® foam mat is certified to 12ft with 11" of Woodcarpet® underneath it.
2. Lay out the mat (vinyl side up) to cover the equipment's kick out area.
3. Under the edge of the mat flap, dig out a channel in the WOODCARPET® to allow the mat edges to drop down into the channel.
4. Remove the top 1 in. of WOODCARPET® from under the foam portion of the mat so that the mat does not protrude above the WOODCARPET® surface. This helps to meet change in level requirements according to ADA standards.
5. It may be necessary to taper the edge of the WOODCARPET® under the mat to allow the mat edges to slope down into the channel at approximately 45°.
6. At the anchor points remove Woodcarpet® down to the drainage layer. Insert the drive rod into the duckbill anchor and drive the duckbill anchor into the subsoil straight down until the loop on the end of the cable is the only thing showing above the surface. Twist and pull the drive rod back out. For hard or stony soils, drill a hole into the subsoil with a masonry bit before driving the duckbill anchor into the subsoil.
7. Insert the steel drive rod through the cable loop and pull upward about 2 in. The upward pull on the cable rotates the anchor into a horizontal locking position.
8. There are anchor holes located around the edge of each mat, including two at each corner. At each corner, bend the mat edges down so that the two anchor holes line up with each other. Loop a cable tie (included with the anchor kit) through the two anchor holes and then through the loop on the end of the duckbill anchor cable. After attaching all cable ties, tighten the cable ties to provide tension, causing the edges of the mat to drop into the channel.
9. Refill and compact the channel around the edge of the mat with WOODCARPET®.
10. Ensure that the vertical distance between the underside of swing seats, when occupied, and the WOODCARPET MAT® is a minimum of 12 in. (300mm), as per ASTM F1487 section 8 and as per CAN/CSA-Z614 section 15.
11. Ensure that the height of slide exit regions above the WOODCARPET MAT® are no greater than 11 in. (275mm) for slides with an elevation no greater than 48 in. (1220mm) and between 7 in. and 15 in. (180mm and 380mm) for slides with an elevation greater than 48 in. (1200mm) as per ASTM F 1487 section 8 and as per CAN/CSA-Z614 section 15.

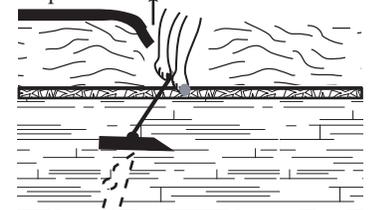
Step 3.



Step 6.



Step 7.



**H. Products**

1. Engineered Wood Fiber Playground Surfacing: WOODCARPET®
  - a. Composition: Woodcarpet contains 100% pre-consumer recovered wood.
  - b. Dimensions: Randomly sized wood fibers.
  - c. Sieve Analysis, ASTM F2075: Meets criteria.
  - d. Hazardous metal, ASTM F2075: Meets criteria.
  - e. Tramp metal, ASTM F2075: Meets criteria.
  - f. Impact, ASTM F1292: 8 inches meets criteria up to 8 foot fall height and 12 inches meets criteria up to 12 foot fall height.
  - g. Accessibility, ASTM F1951-14: Meets criteria.
  - h. Resistance to Flammability, 16 FR Part 1630 Standard for Surface. Flammability of Carpets and Rugs (FFI-70), Modified Procedure. Not Oven Dried: Meets Criteria.
  - i. Flammability, 16 CFR 1500.44, Federal Hazardous Substances Act Title 16, Chapter II, Subchapter C for Rigid and Pliable Solids: Did not ignite.
  - j. IPEMA Certification to F1292: 8 inch thickness rated to 8ft. and 12 inches rated to 12 ft. 10" over 1" Duradrain rated to 12ft.
  - k. IPEMA Certification to F2075: Tramp metal, sieve analysis & heavy metals.
  
- 2 Fabric: DURALINER®
  - a. Composition: Spunbonded polyester fabric.
  - b. Recycled content: 10% post-consumer and 10% or more of pre consumer (post manufacturing).
  - c. Size: 5 feet wide x 250 feet long.
  - d. Weight, ASTM D3776: Min. 3.24 ounces per square yard
  - e. Grab Tensile Strength: ASTM D4632: min. 81/79 pounds.
  - f. Elongation: 59/63%
  - g. Mullen Burst Strength, ASTM D3786: min. 130 pounds.
  - h. Puncture Resistance, ASTM D4833: min. 45.1 pounds.
  - i. Trapezoid Tearing Strength, ASTM D4533: min. 42/71 pounds.
  - j. Permittivity, ASTM D4491: min. 2.09 sec-1.
  - k. Flow Rate, ASTM D4491: min. 300 gal/ft/min
  
3. Playground Surfacing Wear Mat: WOODCARPET® FOAM MAT.
  - a. Composition: Closed-cell, cross-linked, polyethylene foam.
  - b. Recycled content: 100% pre-consumer recovered foam.
  - c. Top surface: Covered with layer of heavy duty vinyl.
  - d. Drain holes: 3/8 diameter holes, one per square foot.
  - e. Size including flaps: 44" x 44" [slide exit], 44" x 74" [swing], 86" x 86" [tire swing/spinner], 86" x 102" [swing bay].
  - f. Finished size: 32in. x 32in. [slide exit], 32in x 62in. [swing], 72" x 72" tire swing/spinner toy, 72" x 88" swing bay, custom sizes available.
  - g. Weight: 1.13" thick = 1.1 pounds per square foot.
  - i. Impact, ASTM F1292: 1.13 in. thick mat meets criteria up to 3 feet.
  - j. IPEMA Certification: 1.13" thick mat over 11" of Woodcarpet rated to 12ft. fall protection.
  - k. Custom mat vinyl specifications:
    - Color : Tan
    - Thickness: .075" or 75 mil. +/- .005
    - Material : 100% polyvinyl - Asbestos and Lead free
    - Technical data: ASTM F1913 Type 1; Grade 1
    - Flammability - GM 9070P - DNI (did not ignite)
    - Tensile, PSI : 2900 / D-638
    - Brittle point : -20C / -4F
    - Chemical resistance: ASTM F925 - No change
    - Flexibility : ASTM F-137 - PASS
    - Abrasion resistance: ASTM D3389 - Net weight loss after 1,000 revolutions: .32% - PASS