

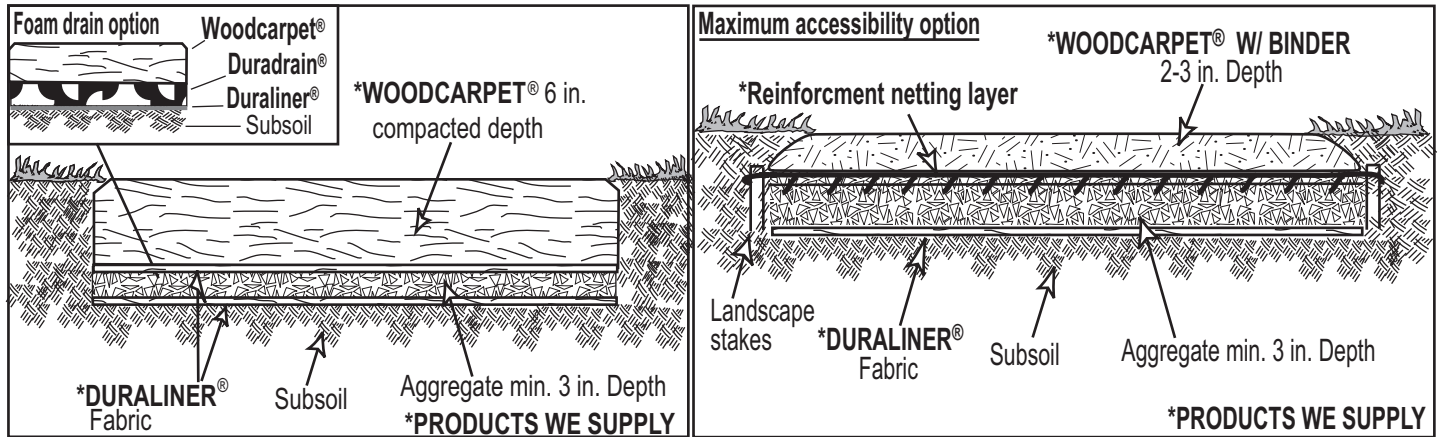
**A. Product Data:** Submit manufacturer's product data, including warranty, maintenance and installation instructions, F1951, and F2075 test results, and samples.

**B. Manufacturer Qualifications:**

1. Member of International Play Equipment Manufacturer's Association (IPEMA).
2. Total Liability Insurance Coverage: \$11,000,000.
3. Sales Representatives attend National Playground Safety Institute (NPSI) training.

**C. 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.



**D. Application:** Outdoor paths, trails, and gathering areas.

**E. Installation Procedure:**

1. Prepare and final grade the site in accordance with the project engineer's specifications. Ensure that site drainage is routed away from or around the trail to prevent soil, silt, or other foreign material from contaminating the WOODCARPET®. Sand, silt, soil, and other foreign material carried by the water can reduce the resiliency of the WOODCARPET®. If installing bonded layer, dig trail slightly wider to allow tapering the sides to backfill over the edges. This will not allow the edges to be exposed, thus preventing vandalism.
2. Place DURALINER® fabric over the soil and overlap seams 10 in. (25cm).
3. Spread drainage gravel (1 in.-2 in. [3cm-6cm] clean gravel) to a minimum depth of 3 in. (5cm). Place Duraliner fabric over stone and overlap seams 10in. (25cm).
4. If using the foam drain option, skip step 3 and install DURADRAIN® panels fabric side up on top of fabric and subsoil in place of gravel. Panels can be cut using a utility knife or a circular saw.
5. Spread WOODCARPET® 4 inches, wet, compact with an 8x8" tamper or with a mechanical compactor. Spread another 4" layer and repeat wetting and compacting steps until a 6 inch compacted thickness is achieved. Wetting and compacting as described above is recommended for immediate accessibility.
6. If a maximum accessible surface is desired, install the Bonded WOODCARPET® system. See maximum accessibility option above. This must be installed by a certified Zeager installer. Please call your Zeager representative for an certified installer near you.

**F. Notes:**

1. Inadequate drainage hastens decomposition.
2. When not installing using a mechanical compactor or tamping & wetting procedure, the surface may not meet accessibility standards immediately as rain and foot traffic are needed to compact the surface over time. Less WOODCARPET® is required when allowing this natural process to occur. (as much as 15% less).
3. Periodic maintenance should include removing debris, topping off & checking for cracks and weaknesses in bonded layer if used. See also WOODCARPET® maintenance recommendations.

**G. Products****1. Engineered Wood Fiber Trail Surfacing: WOODCARPET®**

a. Composition: (1) Premium 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. Accessibility ASTM F1951-08: Meets criteria.

g. Resistance to Flammability: 16 FR Part 1630 Standard for-Surface. Flammability of Carpets and Rugs (FFI-70), Modified Procedure. Not Oven Dried: Meets Criteria.

h. Flammability: 16 CFR 1500.44, Federal Hazardous Substances Act Title 16, Chapter II, Subchapter C for Rigid and Pliable Solids: Did not ignite.

i. Permeability: EM 1110-2-1906-VII-13 Falling head test - Bonded WOODCARPET® 2" layer- 191.19 gal/min/sq ft.

**2. Fabric: DURALINER®**

a. Composition: nonwoven filter fabric of staple fibers that is formed into a random network, needle punched and heat-set for dimensional stability.

b. Recycled content: N/A

c. Size: 5 feet wide x 300 feet long. / 1.5 m wide x 91.4 m Long

d. Weight, ASTM D5261 Min. 3.5 ounces per square yard

e. Grab Tensile Strength: ASTM D4632 0.45 kN / 57 lbs

f. Grab Tensile Elongation " " 50%

g. CBR Puncture: ASTM D6241 .064kN/ 145 lbs

h. UV Resistance: ASTM D4355 70% @500 hrs

i. Trapezoidal Tear : ASTM D45330.13kN / 29 lbs

j. Permittivity ASTM D4491 2.20 sec

k. Water Flow Rate: " " 6112 lpm/m 150 gpm/ft

l. Apparent Opening size ASTM D4751-0300 mm/50 US Std Sieve

**3. Resilient Foam Drain: Duradrain®**

a. Composition: Closed-cell, cross-linked, polyethylene foam.

b. Recycled content: 100% pre-consumer recovered foam.

c. Top surface: Covered with polyester spun bound fabric.

d. Size: 48" x 72" in.

e. Weight: 89 ounces per square yard.

f. Thickness: 1.375".

g. Density: 86 ounces per cubic foot.

h. Transmissivity, ASTM D4716: 3.65E-003 m<sup>2</sup> / sec.

i. Flow Rate, ASTM D2434: + 38 gallons/ minute per sq. ft.

**4. WOODCARPET® Binder:(for Bonded Woodcarpet option)**

a. Composition: Chemical family: Aromatic Isocyanate Pr polymer Chemical name: Diphenylmethane Diisocyanat (MDI) Prepolymer Formula: Proprietary chemical blend.

b. Sizes available: 5-gallon pails, 260 gallon totes.

Note: MSDS sheets available upon request.

**5. WOODCARPET® Reinforement Netting:**

a. Composition: UV stabilized Polypropylene

b. Sizes / color : 8'x328' roll / Black

c. Mesh size: 50x50mm / weight of roll : 14.4K (+/-5%)

d. Tensile Strength: Machine direction: 5.8 kN/m / 6.3kN/m –Transverse direction.

e. Elongation: Machine dir:13.8% / Transverse dir:17.0%

**H. Tool List:**

1. Drainage: A. Skid loader B. Knife C. Stone Rake

2. Surface: For Bonded Woodcarpet option

A. Skid Loader B. Wheelbarrow C. Rake D. Shovel

E. mortar mixer F. Cooking oil & pump sprayer

G. Lawn Roller H. Empty containers I. Finishing tools