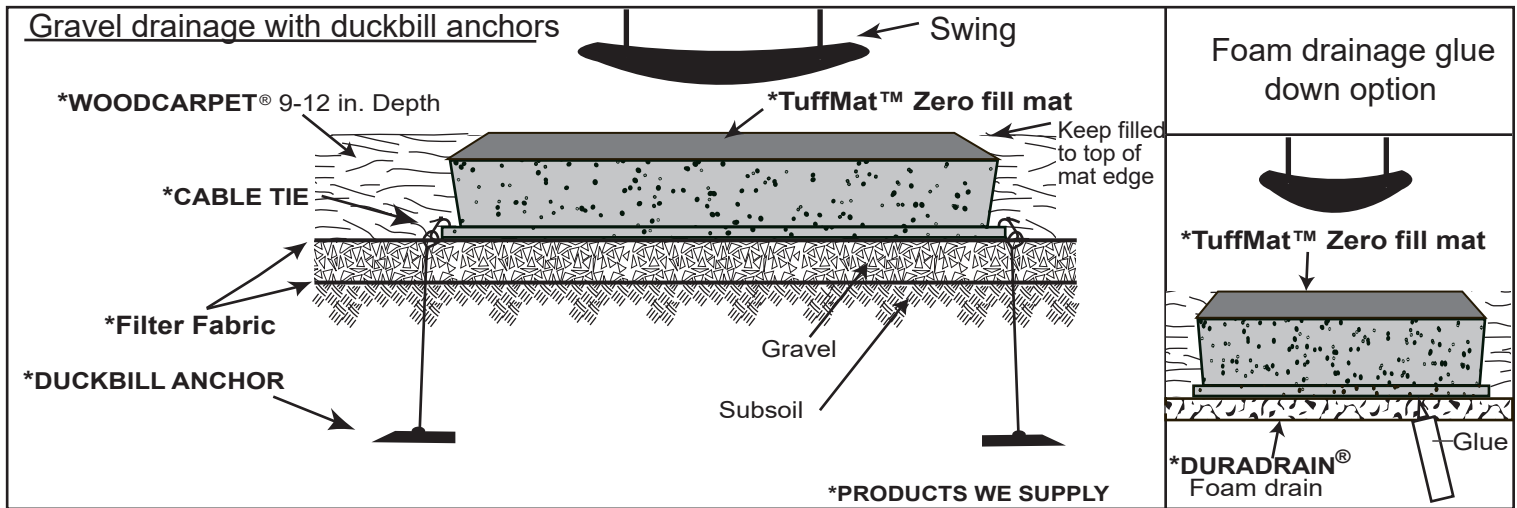


- A. Product Data:** Submit manufacturer's product data, including warranty, maintenance and installation instructions, ASTM F 1292 test results and samples.
- B. Manufacturer Qualifications:**
1. Member of International Play Equipment Manufacturer's Association (IPEMA).
 2. Total Liability Insurance Coverage: \$11,000,000.
 3. Sales Representatives trained 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, ground level components, and slide exits)

F. Installation procedure for installing the TuffMat™ Zero fill mat:

Note: To meet ADA guidelines, this wear mat will help keep high use areas accessible at all times provided the surrounding surface is maintained within a half inch of the top of the wear mat. The wear mat surface is 48"x30" which meets ADA Standards for Accessible Design section 305.3 for clear floor or ground spaces.

1. For new equipment installations before surfacing has been installed; place wear mat in high use area under equipment and anchor with above recommendations depending on drainage option. (Gravel drainage- duckbill anchors, Foam drainage-glue.) Fill surfacing around mat and compact surface to within a half inch of top of mat. 2 thicknesses are available - 9" and 11". Request appropriate one for surrounding surface.
2. For installations that already have surfacing installed; dig out area below equipment approximately 6ft x 4ft.
3. Position mat where desired and anchor according to recommendations depending on drainage option. (Gravel drainage- duckbill anchors, Foam drainage-glue.) Follow instructions for duckbill anchoring provided in anchor kit. If gluing, a polyurathane construction adhesive is recommended to glue base of mat to foam drainage.
4. Fill surfacing around the mat base and sides. Take time to compact the wood fiber as you fill in space around the mat using your foot, pressing the wood fiber down as you go. Not compacting the wood fiber as you fill in the surface will allow for air pockets in the surface which allow the surface to sink and cause unevenness around the mat once children start to use the area and rain falls.
5. For swing installations; the vertical distance between the underside of swing seat when occupied and the TUFFMAT™ Zero Fill mat must meet clearance requirements per ASTM F1487 section 8 and as per CAN/CSA-Z614 section 15.
6. For slide installations; the height of the slide exit regions to the TUFFMAT™ Zero Fill mat must meet clearance requirements per ASTM F1487 section 8 and as per CAN/CSA-Z614 section 15.



Steps 1-2



Step 3

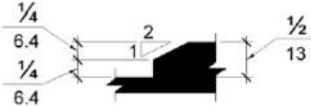


Step 4

G. Notes:

1. Using drainage & wear mats as specified by Zeager is required for warranty coverage. Inadequate drainage may hasten decomposition.
2. Wetting and compacting wood fiber when maintaining the surface will help keep the surface accessible. See Zeager maintenance instructions.
3. Periodic maintenance should include removing debris, raking and topping off. *Be sure to keep surrounding surfacing within a half inch of the top of the mat to maintain accessibility. Allowing the surface to drop below the tapered sides exposed the mat and may become a trip hazard.

*Note: Changes in level greater than $\frac{1}{2}$ " high must be ramped. Section 303 ADA guidelines.



H. Product Specs:

TuffMat™ Zero Fill Mat:

- a. Composition: Combination of PE, PP and EPS foam.
- b. Coating: Proprietary coating
 - Hardness ASTM D2240/ 85±5 Shore A
 - Tensile Strength, ASTM412C / 2500± 200 -Psi / 17.2± 1.4 MPa
 - Elongation, ASTM412C/ 300 ± 25%
 - Tear Strength, ASTM 624C 225± 25pli / -39.4 ± 4.4k Nm

- c. Size : Univeral size (for slide exits, single swings and transfer platform areas): 42"x60"x 9" H / finished surface: 30"x48". (Meets ADA guidelines: Sec. 305— clear floor or ground space).

Swing bay size: 60"x102"x 9"H / finished surface: 48"x90".

Tire swing size: 84"x84"x 9"H / finished surface: 72"x72"

- d. Fall protection ; 8 feet.





Product Maintenance Update:



In order to maintain the warranty on your recent purchase of Tuffmat™ Zero-fill® wear mats, proper installation and maintenance of Woodcarpet® engineered wood fiber must be maintained at proper levels around the mat.



As the picture indicates in the background; maintain the EWF to within a half inch of the top of the mat to maintain accessibility and prevent a trip hazard.

In the foreground the surface has never been maintained to the edge and has exposed the mat which causes a trip hazard and negates any access on and off the wear mat.

Zeager TuffMats™ will reduce maintenance and maintain a safe fall surface for your playground but proper maintenance is still needed to allow them to perform as designed and maintain the warranty. Go to our website and click on the Planning & Resources link to see a video on how to properly install TuffMat™ ZeroFill® mats—<https://www.zeager.com/planning-resources/installation> .

Zeager Bros. Inc. Main: 4000 E. Harrisburg Pike Middletown, PA 17057

PA office: 1-800-346-8524 / KY office: 1-800-296-9227

West US Territories: 1-800-346-8524 X 292

Canadian Territories: 1-800-346-8524 X 291



Scan the QR code with the camera on your smartphone to watch the installation video.



Or, go to our YouTube Channel:
ZeagerSurfacing and watch the installation
video “**ZerofillMat installation**”