



# BETTER. NATURALLY.

## 2018 Recreation Surfaces Catalog



**Engineered for Safety,  
Accessibility, Easy  
Maintenance, Durability  
& Greater Value**





**BETTER. NATURALLY.**

**ZEAGER developed the original Engineered Wood Fiber (EWF) product and was the first to produce it for recreation surfacing applications throughout North & Central America.**

#### **For Playgrounds & Play Areas**

EWF is processed wood free of twig and leaf material, ground to a fibrous consistency and randomly-sized. It is not chemically treated and is entirely natural. When it is spread and compacted, it forms a knitted layer that is firm and stable. It maintains its cushiony properties for the life of the playground, provided the depth is maintained by occasional top-offs. EWF is pervious and does not decompose as quickly as mulch does.

#### **For Trails, Pathways & Gathering Areas**

Bonded EWF is the same processed material that is then mixed with specially-formulated binders on site, poured and tamped into place. It's become a highly desirable trail surface for parks, natural areas, historic sites and campgrounds because of its appearance and ease of mobility for wheelchairs and walkers who benefit from a solid surface under foot. Bonded EWF is replacing asphalt in many places because it helps get people even more into nature.



## **THE ZEAGER STORY IS ALSO THE ENGINEERED WOOD FIBER STORY.**

**We simply know wood more than any other EWF producer, which translates into delivering a better and more consistent product.**

Our hands-on knowledge comes from growing and harvesting timber, processing, coloring, storing, installing, inspecting and testing it. With that depth of experience, we're able to spot and solve issues before they become problems. We're also able to innovate and offer valuable improvements.

**We source the wood ourselves, ensuring quality is at the core of every EWF product we deliver.**

Maintaining standards in quality and consistency is always a challenge when you're dealing with natural products like wood. Because of our deep knowledge and broad experience, we've developed – and maintained – an industry reputation of doing just that: providing a better quality product and consistent specification.

**We developed and secured approval for a radically different playground surfacing product, which changed – for the better – the industry forever.**

A mid-90s ADA-related lawsuit that involved another company's product started our team on a pioneering path that would lead to overcoming the accessibility challenge for playground surfacing with what is known today as Engineered Wood Fiber (EWF).

The industry once again turned to Zeager to help improve playground surfacing safety. Working with the American Society for Testing and Materials (ASTM) and the U.S. Consumer Product Safety Commission (CPSC), our team helped establish standards for EWF and certification from International Play Equipment Manufacturers Association (IPEMA). Soon after, we were asked to work with the USDA Forest Products Research Lab in the development of a "stabilized" Engineered Wood Fiber to further improve accessibility for play & recreation.



**With three quarters of all playgrounds in the U.S. using some form of wood material surfacing, we committed to investing our own time and money, pioneering spirit and technical expertise, plus a relentless drive for improvement to raise the level of enjoyment and safety for millions of children at play.**

**By having no outside equity ownership, we freely make long-term decisions based on value to customers, not short-sighted decisions based on desires of shareholders.**

Zeager is a third-generation family-owned and operated business. Paul Zeager operated a sawmill in Southcentral Pennsylvania. His son, Charles, evolved the business to include producing and selling wood mulches for a variety of applications. He also expanded the company by establishing relationships with producers in other parts of the country where production of Zeager products became a major part of their operations. With four family members now managing the business and Charles' son Bob as president, Zeager still relies on those relationships as well as many others to produce consistent specs and quality EWF for applications throughout North & Central America.

#### **ZEAGER AT-A-GLANCE**

- Third-generation family-owned and operated business
- Developed the original Engineered Wood Fiber (EWF) product
- First to manufacture Engineered Wood Fiber for surfacing applications
- One of the largest production networks in North America to keep production "local"
- Certified metal-free EWF
- First to meet accessibility standards that are now commonplace in the industry
- Developed the first "no trip" impact zone & high-traffic wear mat for over wood chip and EWF materials
- Products are IPEMA certified for safety and comply to ASTM standards for ADA
- Every rep is NPSI-trained in playground safety

**EWF has become the most affordable playground safety surfacing solution and an industry standard. And it was done because of Zeager's passion, talents, significant investment and determination to help all.**





## ZEAGER TESTING: Helping you manage risk and maintain compliance.

Zeager technicians are trained and insured to perform testing – of engineered wood fiber, rubber, turf – per ASTM standard test methods. We provide the necessary documentation of results that you can use to validate your surface's safety, and/or we identify problem areas that are potential hazards that should be addressed.

Many testing bodies review surfacing materials in a lab, where the controlled environment doesn't accurately represent – and therefore can't factor – conditions like weather, lack of drainage or installation problems. As an example, extreme heat can cause a surface to be too soft while extreme cold can make it too hard.

### Zeager testing goes far beyond ASTM standards in two essential ways:

1. We come to your playground with our test equipment and perform testing in real conditions.
2. We test the surfacing system as a whole and factor the performance of not only the surface's impact attenuation and accessible characteristics, but also how well the system drains for maintaining a resilient surface in all temperatures, the performance and integrity of other surface accessories like wear mats in high use areas (if they exist) and if these accessories are installed properly for safety and accessibility performance.

### Impact Attenuation

- Using ASTM-recognized testing equipment
- Testing can be performed in any season
- Testing performed at your sites
- Confidential written results



### Surface Accessibility

- Firmness and stability
- Slope, cross-slope and changes in level
- Accessible routes and maneuvering spaces
- Testing performed at your sites



## ZEAGER CERTIFIED: We do a full range of testing to ensure our surfaces are above what's considered safe and acceptable.

1. We submit to IPEMA for conducting its lab testing for ASTM F1292 and F2075.
2. Zeager goes beyond IPEMA's focus on lab-tested fall protection by testing in the field for accessibility and to more stringent standards.

Some products don't even use the IPEMA certification program. Zeager does! We back many of our systems with the trust of IPEMA's certification for ASTM F1292 and F2075 compliance. And then our additional testing provides the "above & beyond" assurances that your play surface is high-performing and comes with value-added benefits like follow-up testing, how to install the products for optimal performance and how to maintain the surface for long-life and warranty compliance.

We're committed to a certification program that far exceeds any other 3rd party standard.



### More Comprehensive Certification for Greater Results



Meets ASTM F1292 impact test criteria: 200 Gmax / 1000HIC	✓	✓
Meets ASTM F2075 Engineered Wood Fiber criteria for sieve, tramp & hazardous metals	✓	✓
Meets ASTM F1951 lab test for firmness & stability	✓	
Impact test results at least 20% better than criteria limits per ASTM F1292	✓	
Field tested per ASTM F1292 at 120F, 70F & 25F temperatures	✓	
Field tested for firmness & stability	✓	
Manufacturer provided installation & maintenance guide booklet	✓	
Backed by over 10 million dollars in liability insurance.	✓	
Discount on impact testing of your surface after installation	✓	
Performance Improving, maintenance reducing services & products.	✓	





**SYSTEM DISCOUNTS AVAILABLE**

### ZEAGER WoodCarpet® Engineered Wood Fiber

- Material:** 100% Fresh Grade Wood Fiber Composition (no chemical treatments or additives)
- Source:** Extracted, Processed & Manufactured Within Installation's Region
- Impact Rating:** IPEMA Certified for 12' (with 12" EWF)
- Accessibility:** ADA Compliant (with proper installation & maintenance)
- Sub-Base:** Soil or Sand
- Maintenance:** Raking & Occasional Topping Off
- Warranty:** Meets ASTM F1292 for 15 Years (must be installed & maintained per Zeager specification)

### THE MOST COST-EFFICIENT SAFETY SURFACE – FROM THE INITIAL INVESTMENT THROUGH LIFECYCLE – FOR PLAYGROUNDS.

ZEAGER WoodCarpet is made from fresh grade wood and contains no waste wood such as pallets that could contain nails, spilled chemicals, paint or wood preservatives. It's processed to high quality requirements using rigid production standards. WoodCarpet is naturally pervious and its installation specification ensures critical fall protection exceeds safety standards. It provides ADA compliancy for access and blends in with nature because it IS nature.

**100% NATURAL.  
PERVIOUS. SAFE.  
AFFORDABLE.**

Include **ZEAGER Resilient/Drainage Pad** panels under WoodCarpet for excellent vertical and horizontal drainage, critical fall protection and increased surfacing longevity. They also eliminate the need for – and expense of – construction permitting, excavating services and drainage gravel.



**Resilient/Drainage Pad:**  
Thermally-Fused Polyethylene Foam Nuggets & Geotextile Fabric Liner



Easily place 4' x 6' foam panels over sub-base before installing top surface.

### ZEAGER Resilient/Drainage Pad

- Material:** 100% Thermally-Fused, Closed-Cell Polyethylene Foam & Geotextile Fabric Liner
- Impact Rating:** IPEMA Certified for 12' with 10" EWF over Pad
- Sub-Base:** Soil, Sand or Asphalt (asphalt requires 12" of WoodCarpet and WoodCarpet Mats)
- Maintenance:** No Maintenance Required
- Warranty:** WoodCarpet with Pad meets ASTM F1292 for 20 Years (must be installed & maintained per Zeager specification)

See pages 18 & 19 for including TuffMat™ resilient wear mats for your playground.



To verify product certification, visit [www.ipema.org](http://www.ipema.org)



To verify product certification, visit [www.ipema.org](http://www.ipema.org)





## WoodCarpet® Bonded 2



See pages 18 & 19 for including TuffMat™ resilient wear mats for your playground.



**NO BLOWING OR  
SCATTERING MATERIAL**



To verify product certification, visit [www.ipema.org](http://www.ipema.org)

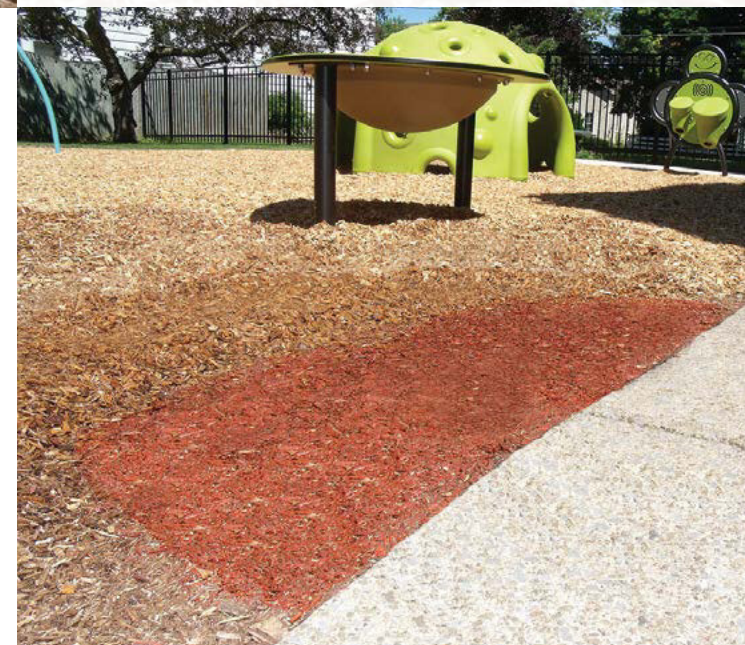
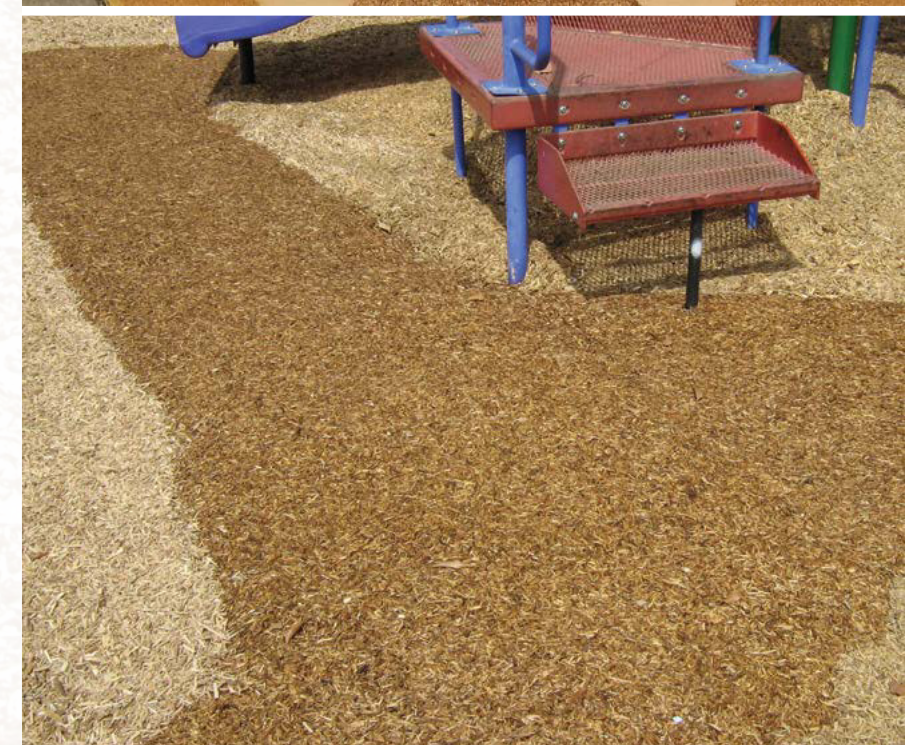
### ZEAGER WoodCarpet® Bonded 2 Engineered Wood Fiber

- Material:** Combination of 100% Fresh Grade Wood Fiber & Specially Formulated Binder
- Source:** (EWF) Extracted, Processed & Manufactured Within Installation's Region
- Impact Rating:** Rated for 8' (with 8" EWF) & 10' (with 12" EWF)
- Accessibility:** ADA Compliant
- Sub-Base:** Soil or Sand
- Installation:** Zeager-Certified Installer Required
- Maintenance:** Bonded Top Surface Needs No Raking or Topping Off
- Warranty:** Meets ASTM F1292 for 3 Years (must be installed & maintained per Zeager specification)

## THE ULTIMATE PERVIOUS SURFACE FOR ACCESSIBILITY AND LOW MAINTENANCE.

Make your play area more accessible with this top layer of specially-formulated binder and engineered wood fiber spread and tamped over a carefully compacted ZEAGER WoodCarpet base. The bonded material forms pathways within the existing WoodCarpet surface to significantly improve playground accessibility and reduce maintenance. Include WoodCarpet Bonded Ramps for transitions from the playground perimeter to play surface.

**100% NATURAL.  
PERVIOUS. MORE  
ACCESSIBLE. LOWER  
MAINTENANCE.**



### ZEAGER WoodCarpet® Bonded Ramps

- Material:** (Top) Combination of 100% Fresh Grade Colored Wood Fiber & Specially Formulated Binder  
(Base) 3-Piece Polyethylene Foam Ramp at 8% Slope
- Sizes:** 48" Square Piece with Left & Right 24" x 48" Winged Pieces
- Accessibility:** ADA Compliant
- Installation:** Foam Ramp Base Attached to Concrete Curbing, Coat Ramp (and cover brackets) with WoodCarpet® Bonded Material



## WoodCarpet® Bonded 1



**FIRM & STABLE  
SURFACE**

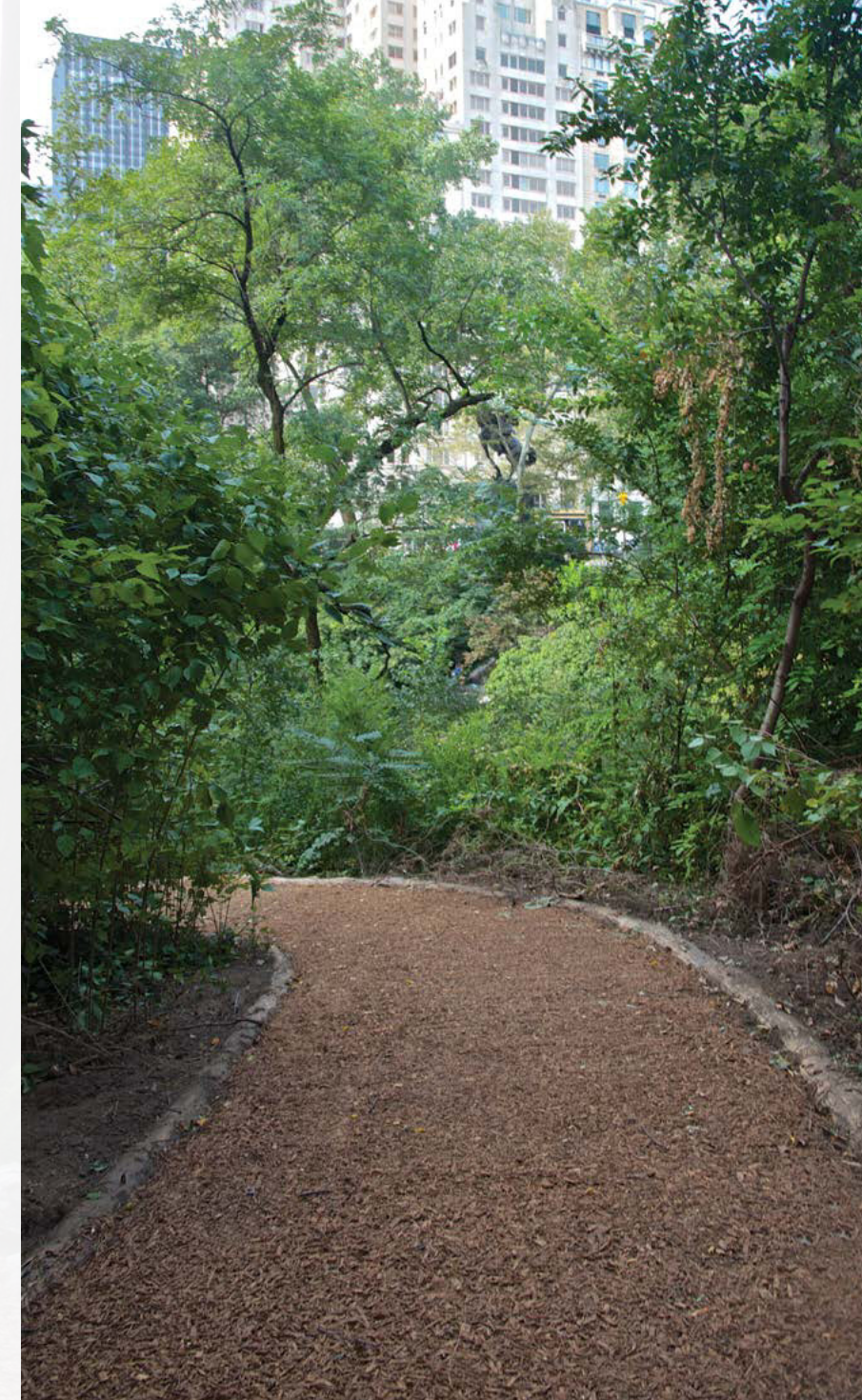
### ZEAGER WoodCarpet® Bonded 1 Engineered Wood Fiber

- Material:** Combination of 100% Fresh Grade Wood Fiber & Specially Formulated Binder
- Source:** (EWf) Extracted, Processed & Manufactured Within Installation's Region
- Accessibility:** ADA Compliant
- Sub-Base:** Gravel
- Installation:** Zeager-Certified Installer Required
- Maintenance:** Topcoat To Extend Life
- Warranty:** 1-Year Manufacturer Warranty (must be installed & maintained per Zeager specification)

## NATURE'S BEST PERVIOUS PATHWAY AND GATHERING PLACE SURFACE THAT'S EASY TO WALK ON AND MANEUVER MOBILITY DEVICES.

Get rid of uneven and eroding trails, paths and gathering areas that turn into muddy messes during rain. And get people off asphalt or concrete surfaces when they're supposed to be among nature. ZEAGER WoodCarpet Bonded 1 is a cost-efficient and eco-friendly solution for providing accessible opportunities to enjoy parks and natural settings. The engineered wood fibers are bonded together to form a firm and stable surface that can be spread to form any configuration.

**PERVIOUS.  
ACCESSIBLE.  
NATURAL LOOKING.  
LOW MAINTENANCE.**



[zeager.com](http://zeager.com)





## RecBase® Synthetic Grass – Nylon



### A NATURAL-LOOKING, SAFE & SUPER DURABLE PLAY SURFACE WITH NO MESSY INFILL.

ZEAGER RecBase Synthetic Grass is available in two pile heights – rolled out over RecBase Resilient/Drainage Pad for critical fall protection. Both have excellent wearability, abrasion resistance and resilience. The special thatch fiber root zone in our high-pile systems holds fibers upright and in place under heavy use, eliminating the need for messy infill. The pervious system can be used outdoors or indoors. Cleanup is a snap with a vacuum cleaner, leaf blower or water hose.

### NO MESSY INFILL. LOW MAINTENANCE.



#### High-Pile Nylon System

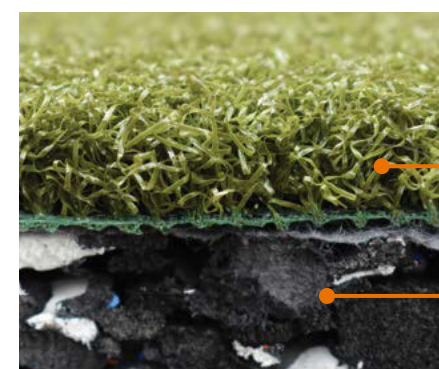
- Nylon Fibers
- Nylon Thatch
- Resilient/Drainage Pad

#### ZEAGER RecBase® Synthetic Grass – High-Pile Nylon

- Material:** (Grass) Nylon Fibers with Polyurethane Backing;  
(Pad) 100% Thermally-Fused, Closed-Cell Polyethylene Foam & Geotextile Fabric Liner
- Sizes:** (Grass) 1-1/4" Pile Height by 15' Width and Custom Length  
(Pad) 1", 2" & 3" Thicknesses by 48"x 72"
- Impact Rating:** IPEMA Certified for 8' (3" pad)
- Accessibility:** ADA Compliant
- Sub-Base:** Gravel (3" required for IPEMA rating)
- Installation:** Zeager-Certified Installer Required
- Warranty:** Meets ASTM F1292 for 5 Years, 8-Year Product Warranty



To verify product certification, visit [www.ipema.org](http://www.ipema.org)



#### Low-Pile Nylon System

- Nylon Fibers
- Resilient/Drainage Pad

#### ZEAGER RecBase® Synthetic Grass – Low-Pile Nylon

- Material:** (Grass) Nylon Fibers with Polyurethane Backing;  
(Pad) 100% Thermally-Fused, Closed-Cell Polyethylene Foam & Geotextile Fabric Liner
- Sizes:** (Grass) 3/4" Pile Height by 15' Width and Custom Length  
(Pad) 1", 2" & 3" Thicknesses by 48"x 72"
- Impact Rating:** IPEMA Certified for 8' (3" pad)
- Accessibility:** ADA Compliant
- Sub-Base:** Gravel (3" required for IPEMA rating)
- Installation:** Zeager-Certified Installer Required
- Warranty:** Meets ASTM F1292 for 5 Years, 8-Year Product Warranty



To verify product certification, visit [www.ipema.org](http://www.ipema.org)



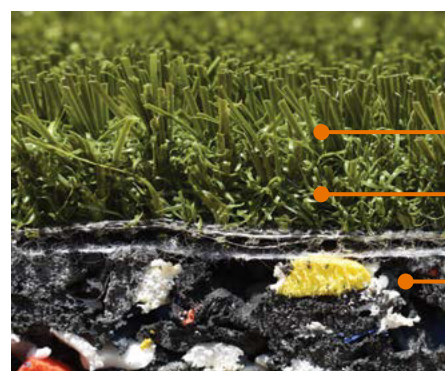
## RecBase® Synthetic Grass – Polyethylene



## A SOFT & SAFE SYNTHETIC TURF SURFACE FOR GENERAL PURPOSE PLAY – FOR KIDS AND DOGS.

ZEAGER RecBase Synthetic Grass now has two polyethylene choices: one with an adhered cushion foam, and one that is rolled over a resilient/drainage pad. Both systems feature polyethylene upright fibers with nylon thatch root zone – eliminating the need for messy infill. Both pervious systems have excellent wearability, abrasion resistance and resilience. Our newest synthetic grass system is engineered for general purpose play applications and dog parks!

## NO MESSY INFILL. LOW MAINTENANCE.



### Polyethylene System

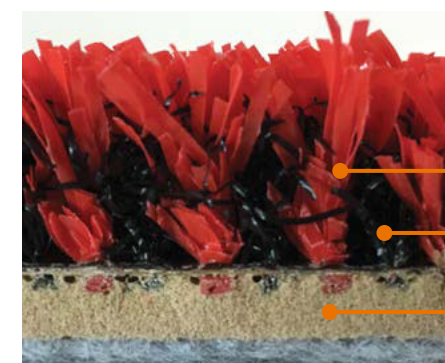
- Polyethylene Fibers
- Nylon Thatch
- Resilient/Drainage Pad

### ZEAGER RecBase® Synthetic Grass – General Purpose & Dog Park

- Material:** (Grass) Polyethylene Fibers with a Nylon Thatch (Pad) 100% Thermally-Fused, Closed-Cell Polyethylene Foam & geotextile Fabric Liner
- Sizes:** (Grass) 1" Pile Height by 15' Width and Custom Length (Pad) 1", 2" & 3" Thicknesses by 48" x 72"
- Impact Rating:** IPEMA Certified for 8' (3" pad)
- Accessibility:** ADA Compliant
- Sub-Base:** Gravel (3" required for IPEMA rating)
- Installation:** Zeager-Certified Installer Required
- Warranty:** Meets ASTM F1292 for 5 Years, 7-Year Product Warranty



To verify product certification, visit [www.ipema.org](http://www.ipema.org)



### Polyethylene Colored System

- Polyethylene Grass
- Nylon Thatch
- Adhered Cushion

### ZEAGER RecBase® Synthetic Grass – Polyethylene

- Material:** Polyethylene Fibers with a Nylon Thatch adhered to a 5mm Biocel Polyurethane Cushion Pad
- Sizes:** 1" Pile Height & 5mm Cushion by 15' Width and Custom Length
- Impact Rating:** IPEMA Certified for 6' (2" pad)
- Accessibility:** ADA Compliant
- Sub-Base:** Concrete or Asphalt
- Installation:** Zeager-Certified Installer Required
- Warranty:** Meets ASTM F1292 for 5 Years, 7-Year Product Warranty



To verify product certification, visit [www.ipema.org](http://www.ipema.org)



## RecBase® Indoor Carpet



Royal Blue carpet over  
.75" resilient pad.

### ZEAGER RecBase® Indoor Carpet

<b>Material:</b>	100% BCF Olefin Cut Pile
<b>Size:</b>	12' Wide Rolls
<b>Impact Rating:</b>	2' (.75" resilient pad over hard surface)
<b>Installation:</b>	Zeager-Certified Installer Required
<b>Warranty:</b>	Meets ASTM F1292 for 3 Years; 3-Year Prorated Warranty for Carpet (must be installed & maintained per Zeager specification)



## GET THE NEEDED DURABILITY AND SAFETY WITH THE COMFORT OF A CARPET SURFACE.

ZEAGER RecBase® Indoor Carpet is a very durable, low maintenance and reasonably priced safety carpet for indoor play areas. When rolled out over RecBase Resilient Pad, it provides fall protection. It comes in a variety of colors, cleans easily and maintains its look for years under heavy use.

## SAFE. DURABLE. COMFORTABLE. AFFORDABLE.



Royal Blue

Purple

Red

Light Blue

Green



[zeager.com](http://zeager.com)





## TuffMat™ Resilient Wear Mats



Surface Mat



To verify product certification, visit [www.ipema.org](http://www.ipema.org)

### ZEAGER TuffMat™ Resilient Wear Surface Mats

- Material:** Heavy-Duty Vinyl Top Over 1" Recycled Polyethylene Foam Base
- Impact Rating:** IPEMA Certified for 12' (1" mat over 11" EWF)
- Accessibility:** ADA Compliant
- Warranty:** 5-Year Warranty (must be installed & maintained per Zeager specification)

#### MAT SIZES:

- |                     |                                |
|---------------------|--------------------------------|
| 32" x 32" Slide     | 72" x 72" Tire Swing & Spinner |
| 32" x 62" Swing     | 72" x 90" Swing Bay            |
| 36" x 48" Universal | Custom Mat Sizes Available     |

## NO MORE UNSIGHTLY HOLES, MESSY PUDDLES OR COSTLY MAINTENANCE HEADACHES.

Any wood fiber "kicks out" during normal use, and it's usually at those places where high traffic occurs and impact attenuation is needed most: under and at entrance and exit points of play equipment. Eliminate that problem by installing ZEAGER TuffMat Resilient Wear Mats. The Surface Mat's beveled edges, unique concave shape and fastening mechanism keep mat in place and WoodCarpet underneath for required safety ratings and ADA compliance. Our new Zero-Fill Mats provide the impact absorption needed, and require zero maintenance.



Zero-Fill Mat



To verify product certification, visit [www.ipema.org](http://www.ipema.org)

### ZEAGER TuffMat™ Resilient Zero-Fill Mats

- Material:** Various Types of Heavy-Duty Polyethylene Foam
- Size:** 42" x 60" x 11" (Exposed Surface: 30" x 48")
- Impact Rating:** Rated for 8'
- Accessibility:** ADA Compliant
- Warranty:** 5-Year Warranty (must be installed & maintained per Zeager specification)

**INSTALL IT, AND NEVER WORRY ABOUT IT AGAIN**





**BETTER. NATURALLY.**

For more information,  
downloadable specs,  
installation & maintenance  
guides and more, visit  
[zeager.com](http://zeager.com)

Ask us your questions or  
get a free quote!

800-346-8524  
[info@zeager.com](mailto:info@zeager.com)

Zeager offers products for these  
applications:

- Recreation Surfacing



**WoodCarpet®**



**RecBase®**



**TuffMat™**

- Equine Footing & Animal Bedding



**WoodCarpet®**



**National Recreation  
and Park Association**



**CADdetails**  
MICROSITE

Purchase Zeager products through one  
of these buying programs:

