



MAIN OFFICE:
Zeager Bros., Inc.
1-800-346-8524
Fax 717-944-7681
MID WEST & SOUTHERN US:
Zeager Hardwood Co.
1-800-296-9227
Fax 270-586-4493

Environmental

Overview

At Zeager we desire to be good stewards of the resources available to us. This includes the raw materials we use, the way in which we process them and the way in which we distribute the finished product. We want to provide products with a clear legitimate benefit to those that purchase and use them. These benefits include the impact, or lack there of, on the places in which we live. Good stewardship of the resources available today, will benefit us tomorrow.

The way in which we conduct our business is also important. For example, this document was written under the energy efficient lighting at our corporate office where scanning and digital filing are a part of business as usual. Aside from physically meeting with our customers, most aspects of our customer service are digital. Customer information, product information, quotes, orders, claims, shipping schedules and inventory are entered, stored and managed digitally. So go ahead, give us a call, send us an email or visit our website and find out what we can do for you. And if you need a hard copy, we can do that too, because what we have to say is well worth the paper that we will print it on.

LEED – Leadership in Energy and Environmental Design

Construction Waste Management

Zeager operates from a network of production facilities across the U.S. and Canada. At the two facilities that we own and at many of our contract facilities, construction, shipping, land clearing and landscape “wood waste” are accepted and processed into landscaping mulches. Clean, pre-consumer wood waste, typically a by-product of making lumber, is processed into playground surfacing. Divert your clean wood construction debris from disposal to our facilities to be put back into the manufacturing process.

*LEED MR Credit 2: 1 point = Divert 50% From Disposal.
2 points = Divert 75% From Disposal.*

Recycled Content

Zeager products utilize pre-consumer (post-manufacturing) and post-consumer recovered materials. While the percentages can vary, following are the typical percentages of recovered materials:

1. WoodCarpet®: 100% pre-consumer and 0% post-consumer from most production facilities. 0% pre-consumer and 0% post-consumer from: AL-C, CA-C, FL-Tarrytown, GA-S, MN-E, MN-W, NY-C and TX-SA.
2. DuraLiner®: 0% pre-consumer and 0% post-consumer.
3. DuraDrain®: 90% pre-consumer and 0% post-consumer.
4. WoodCarpet® binder: 0% pre-consumer and 0% post-consumer.
5. WoodCarpet Mat® (foam): 15% pre-consumer and 0% post-consumer.
6. WoodCarpet Mat® (pvc): 60% pre-consumer and 0% post-consumer.
7. RecMat® (system 71)
 - a. RecMat®: 0% pre-consumer and 90% post-consumer.
 - b. RecMat® adhesive: 0% pre-consumer and 0% post-consumer.
 - c. RecBase®: 90% pre-consumer and 0% post-consumer.

Recycled Content - continued

8. RecGrass® (system 81)
 - a. RecGrass®: 0% pre-consumer and 0% post-consumer.
 - b. RecGrass® adhesive: 0% pre-consumer and 0% post-consumer.
 - c. RecGrass® seam tape: 0% pre-consumer and 0% post-consumer.
 - d. RecBase®: 90% pre-consumer and 0% post-consumer.
9. ZeagerMulch® (composted): 100% pre-consumer and 0% post-consumer.
10. ZeagerMulch® (colored): 20% pre-consumer and 40% post-consumer.

LEED MR Credit 4: 1 point = 10% (post-consumer + ½ pre-consumer) of the total value of the materials in the project.

2 points = 20% (post-consumer + ½ pre-consumer) of the total value of the materials in the project.

SITES Credit 5.5: 2 points = 20% (post-consumer + ½ pre-consumer) of the total value of the materials in the project.

4 points = 40% (post-consumer + ½ pre-consumer) of the total value of the materials in the project.

Regional Materials

Whenever possible, Zeager utilizes locally available resources to reduce the environmental impacts resulting from transportation. We have over 45 WoodCarpet® production facilities across North America making it likely that we have a facility within 500 miles of your project location. Following is the content of each product that has been extracted, recovered and manufactured regionally.

1. WoodCarpet®: 100% regional for 48 states and most of Canada.
2. DuraLiner®: 0%.
3. DuraDrain®: 0%.
4. WoodCarpet® binder: 0%.
5. WoodCarpet Mat® (foam): 0%.
6. WoodCarpet Mat® (pvc): 60% regional for WI, MN, ND, SD, NE, MO, IA, IL, MB and SK.
7. RecMat® (system 71)
 - a. RecMat®: 90% regional for MI, OH, PA, IN, IL, NY, NJ, MD, DC, VA, WV, ON.
 - b. RecMat® adhesive: 0%.
 - c. RecBase®: 0%.
8. RecGrass® (system 81)
 - a. RecGrass®: 0%.
 - b. RecGrass® adhesive: 0%.
 - c. RecGrass® seam tape: 0%.
 - d. RecBase®: 0%.
9. ZeagerMulch® (composted): 100% regional for NJ, NY, CT, MA, RI, NH, VT, ME, PA, DE, MD, VA, WV, NC, OH, ON, PQ, IN, MI, IL, MO, KY, TN, AR, MS, AL, GA and SC.
10. ZeagerMulch® (colored): 100% regional for NJ, NY, CT, MA, RI, NH, VT, ME, PA, DE, MD, VA, WV, NC, OH, ON, PQ, IN, MI, IL, MO, KY, TN, AR, MS, AL, GA and SC.

LEED MR Credit 5: 1 point = 10% (based on cost) Extracted, Recovered & Manufactured Regionally of total project materials value.

2 points = 20% (based on cost) Extracted, Recovered & Manufactured Regionally of total project materials value.

SITES Credit 5.7: 2 points = 30% (based on cost) Extracted, Recovered & Manufactured Regionally of total project materials value.

4 points = 60% (based on cost) Extracted, Recovered & Manufactured Regionally of total project materials value.

6 points = 90% (based on cost) Extracted, Recovered & Manufactured Regionally of total project materials value.

SITES – Sustainable Sites Initiative

No Threatened Tree Species

SITES Prerequisite 5.1

Threatened tree species are not used. Contact your Zeager representative for a list of species that we do use in your area.

Design for deconstruction and disassembly

Some of Zeager's products facilitate reuse. Following are some reuse examples:

1. WoodCarpet: reuse for compost or landscape mulch.
2. DuraLiner: reuse as landscape weed barrier cloth.
3. DuraDrain: reuse for landscape drainage, foundation drainage, or green roof drainage.
4. RecBase: reuse for landscape drainage, foundation drainage, or green roof drainage.

SITES Credit 5.3: 1 point = 20 percent of materials and products used facilitate reuse and are designed for deconstruction.

2 points = 40 percent of materials and products used facilitate reuse and are designed for deconstruction.

3 points = 60 percent of materials and products used facilitate reuse and are designed for deconstruction.

Use Recycled Content Materials

Please see page 1 and 2 above for LEED and SITES Credits for recycled content.

Use Regional Materials

Please see page 2 above for LEED and SITES Credits for regional materials.

Other Environmental Benefits

Renewable Content

Some of Zeager's products are made from renewable materials. Following are the percentages of renewable materials used:

1. WoodCarpet®: 100%.
2. DuraLiner®: 0%.
3. DuraDrain®: 0%.
4. WoodCarpet® binder: 0%.
5. WoodCarpet Mat® (foam): 0%.
6. WoodCarpet Mat® (pvc): 0%.
7. RecMat® (system 71)
 - a. RecMat®: 0%.
 - b. RecMat® adhesive: 0%.
 - c. RecBase®: 0%.
8. RecGrass® (system 81)
 - a. RecGrass®: 0%.
 - b. RecGrass® adhesive: 0%.
 - c. RecGrass® seam tape: 0%.
 - d. RecBase®: 0%.
9. ZeagerMulch® (composted): 100%.
10. ZeagerMulch® (colored): 60%.

Maintenance Requirements

Some of Zeager's products do reduce maintenance requirements. Following are some examples:

1. WoodCarpet®: Less maintenance required when used with the specified drainage system and with WoodCarpet Mats®.
2. DuraLiner®: Reduces the maintenance of WoodCarpet® when used as part of the specified drainage system by reducing the rate of decomposition.
3. DuraDrain®: Reduces the maintenance of WoodCarpet® when used as part of the specified drainage system by reducing the rate of decomposition.
4. WoodCarpet® binder: Reduces the maintenance of WoodCarpet® by reducing scattering and eliminating the need for raking.
5. WoodCarpet Mat® (foam): Eliminates the need to rake WoodCarpet® back into high-traffic areas, such as, under swings and slide exits.
6. WoodCarpet Mat® (pvc): Eliminates the need to rake WoodCarpet® back into high-traffic areas, such as, under swings and slide exits.
7. RecMat® (system 71)
 - a. RecMat®: Requires very little maintenance other than cleaning.
 - b. RecMat® adhesive: Requires little to no maintenance.
 - c. RecBase®: Requires little to no maintenance.
8. RecGrass® (system 81)
 - a. RecGrass®: Requires very little maintenance other than cleaning.
 - b. RecGrass® adhesive: Requires little to no maintenance.
 - c. RecGrass® seam tape: Requires little to no maintenance.
 - d. RecBase®: Requires little to no maintenance.
9. ZeagerMulch® (composted): Aged up to 6 months for longer color than comparable composted mulches.
10. ZeagerMulch® (colored): Holds color longer than composted mulches.

Toxicity

Zeager carefully considers the toxicity of each product it offers. Preference is given to those materials and substances that are non-toxic. For example, Zeager has never offered loose-fill shredded rubber products. Some of our competitors use these products for landscaping mulch, playground surfacing and as infill for artificial turf. Please see our website news section to learn more about loose-fill shredded rubber. For more toxicological or ecological information on our products, please see our Material Safety Data Sheets (MSDS).