

H. Products**1. Engineered Wood Fiber Playground Surfacing: WOODCARPET®****a. Composition:**

(1) Premium Woodcarpet contains 100% pre-consumer recovered wood.

(2) Recycled Woodcarpet may contain up to 100% post-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: 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. 9" over 1" Duradrain rated to 12ft.

k. IPEMA Certification to F2075: Tramp metal, sieve analysis & heavy metals.

2. 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 non-woven geotextile fabric.

d. Size: 40 in. x 88 in.

e. Weight: 89 ounces per square yard.

f. Thickness: 1 inch - (25mm).

g. Density: 86 ounces per cubic foot.

h. Transmissivity, ASTM D4716: 2.9 x 10(-4) square yards per second.

i. Permeability, ASTM D2434: 4.5 x 10(-2) centimeters per second.

j. Flow Rate, ASTM D2434: .381 gallons per minute per square foot.

k. Impact, ASTM F1292: 1" Alone meets criteria up to 2½ feet.

l. IPEMA Certified: Under 9 inches of Woodcarpet, rated to 12ft.

3. Geotextile Fabric: DURALINER®

a. Composition: Non-woven, needle-punched, UV-treated, polypropylene or polyester fabric.

b. Recycled content: 0%.

c. Size: 5 to 6 feet wide x 250 feet long.

d. Weight, ASTM D3776: Min. 3.69 ounces per square yard.

e. Thickness, ASTM D5199: min. 55 mils.

f. Grab Tensile Strength, ASTM D4632: min. 90 pounds.

g. Mullen Burst Strength, ASTM D3786: min. 132 pounds.

h. Puncture Resistance, ASTM D4833: min. 60 pounds.

i. Trapezoid Tearing Strength, ASTM D4533: min. 40 pounds.

j. Permittivity, ASTM D4491: min. 1.9 sec-1.

k. Flow Rate, ASTM D4491: min. 145 gallons per minute per sq.ft

l. Permeability, ASTM D4491: min. 0.24 centimeters per second.

4. Playground Surfacing Wear Mat: WOODCARPET® PVC MAT

A. Composition: Recycled high grade PVC, 60 percent; and virgin PVC, 40 percent.

B. Size: 42 in. x 42 in. [slide exits]

42 in. x 78 in. [swings]

78 in. x 78 in. [tire swings]

78 in. x 90 in. [swing bay]

C. Thickness: 3/4 in..

D. Drainage Holes: 3/8 in. diameter holes on 2-3 in. centers both directions.

E. Impact, ASTM F 1292: Maximum 340 HIC and 70 G over 11.25 in. of WOODCARPET® from 12 ft. fall height at 23° C.

F. IPEMA Certified: WOODCARPET® PVC mat over 11.25 in. of WOODCARPET® rated to 12 ft.

G. Durometer, Shore A: 20 plus or minus 3.

H. Tensile Strength: 592 psi.

I. Elongation: 475 percent.

J. Tear Strength: 84 pounds per inch

H. Products

1. Engineered Wood Fiber Playground Surfacing: WOODCARPET®
 - a. Composition:
 - (1) Premium Woodcarpet contains 100% pre-consumer recovered wood.
 - (2) Recycled Woodcarpet may contain up to 100% post-consumer recovered wood.
 - b. Dimensions: Randomly sized wood fibers.
 - c. Sieve Analysis, ASTM F2075-04: Meets criteria.
 - d. Hazardous metal, ASTM F2075-04: Meets criteria.
 - e. Tramp metal, ASTM F2075-04: Meets criteria.
 - f. Impact, ASTM F1292-04: 8 inches meets criteria up to 8 ft. fall height and 12 inches meets criteria up to 12 ft. fall height.
 - g. Accessibility, ASTM F1951: 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: 8"/8ft., 12"/12ft. Fall protection. F1292-04 Tramp metals, Sieve analysis, Heavy Metals. F2075-04
2. Geotextile Fabric: DURALINER®
 - a. Composition: Non-woven, needle-punched, UV-treated, polypropylene or polyester fabric.
 - b. Recycled content: 0%.
 - c. Size: 5 to 6 feet wide x 250 feet long.
 - d. Weight, ASTM D3776: Min. 3.69 ounces per square yard.
 - e. Thickness, ASTM D5199: min. 55 mils.
 - f. Grab Tensile Strength, ASTM D4632: min. 90 pounds.
 - g. Mullen Burst Strength, ASTM D3786: min. 132 pounds.
 - h. Puncture Resistance, ASTM D4833: min. 60 pounds.
 - i. Trapezoid Tearing Strength, ASTM D4533: min. 40 pounds.
 - j. Permittivity, ASTM D4491: min. 1.9 sec-1.
 - k. Flow Rate, ASTM D4491: min. 145 gallons per minute per sq.ft
 - l. Permeability, ASTM D4491: min. 0.24 centimeters per second.

H. Products-cont.

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 non-woven geotextile fabric.
 - d. Size: 40 in. x 88 in.
 - e. Weight: 89 ounces per square yard.
 - f. Thickness: 1 inch - (25mm).
 - g. Density: 86 ounces per cubic foot.
 - h. Transmissivity, ASTM D4716: 2.9 x 10(-4) square yards per second.
 - i. Permeability, ASTM D2434: 4.5 x 10(-2) centimeters per second.
 - j. Flow Rate, ASTM D2434: .381 gallons per minute per square foot.
 - k. Impact, ASTM F1292: 1" Alone meets criteria up to 2½ feet.
 - l. IPEMA Certified: Under 9 inches of Woodcarpet, rated to 12ft.
4. Playground Surfacing Wear Mat: WOODCARPET® PVC MAT
 - a. Composition: Polyvinylchloride (PVC).
 - b. Recycled Content: 60 % Preconsumer recovered pvc.
 - c. Drain Holes: 3/8 inch diameter holes, one per 10 square inches.
 - d. Size: 42 in. x 42 in. [slide exit], 42 in. x 78 in. [swing], 78 in. x 78 in. [tire swing, vertical spinner], 78 in. x 90 in. [swing bay], 156 in. OD x 73.5 in. ID [merry go round, supernova], 67.5 in. OD [supernova].
 - e. Weight: 3.0 pounds per square foot.
 - f. Thickness: ¾ inches.
 - g. Impact, ASTM F1292: Over 11.25 inches of Woodcarpet, meets criteria up to 12 feet.
 - h. IPEMA Certification: Over 11.25 inches of Woodcarpet, rated to 12 feet.
5. 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: 44 in. x 44 in. [slide exit], 44 in. x 74 in. [swing]
 - f. Finished size: 32in.x32in. [slide exit], 32inx62in. [swing]
 - g. Weight: 1" thick= 1.5 pounds per square foot.
 - h. Thickness: 1 & 2 inches. (2" to be discontinued)
 - i. Impact, ASTM F1292: 1 in. thick mat meets criteria up to 4 feet.
 - j. IPEMA Certification: 1" thick mat over 11" of Woodcarpet rated to 12ft. fall protection.